INSTALLER:
Leave this manual with the appliance.

CONSUMER:
Retain this manual for future reference.

WARNING: If the information in these instructions is not followed exactly a fire or explosion may result causing property damage, personal injury or death.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

- **Do not try to light any appliance.**
- **Do not touch any electrical Switch.**
- **Do not use any phone in your building.**
- **Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier call the fire department.**

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

This appliance may be installed in an aftermarket permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases unless a certified kit is used.

This appliance is suitable for installation in a bedroom or bed sitting room.

c LC US

We endorse NFI NATIONAL FIREPLACE INSTITUTE A CERTIFICATION AGENCY

PACIFIC ENERGY

SERIAL #

CASCO / CAMDEN INSTALLATION AND OPERATING INSTRUCTIONS

MODEL: CASCO / CAMDEN
SERIES: B
DIRECT VENT FIREPLACES

Important Note for the Commonwealth of Massachusetts:

From Massachusetts Rules and Regulations 248 CMR 5.08:

(a) For all side wall horizontally vented gas fuelled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied.

1. INSTALLATION OF CARBON MONOXIDE DETECTORS. At the time of installation of the side wall horizontal vented gas fuelled equipment, the installing plumber or gas fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed, in addition, the installing plumber or gas fitter shall observe that a battery operated or hard-wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fuelled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard-wired carbon monoxide detectors.

a. In the event that the side wall horizontally vented gas fuelled equipment is installed in a crawl space or an attic, the hard-wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

b. In the event that the requirements of this subdivision cannot be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

2. APPROVED CARBON MONOXIDE DETECTORS. Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed as IAS certified.

3. SIGNAGE. A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fuelled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, “GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS”.

4. INSPECTION. The state or local gas inspector of the side wall horizontally vented gas fuelled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.089(2)(a) 1 through 4.

(b) EXEMPTIONS. The following equipment is exempt from 248 CMR 5.089(2)(a) 1 through 4.
1. The equipment listed in Chapter 10 entitled “Equipment Not Required To Be Vented” in the most current edition of NFPA 54 as adopted by the Board; and
2. Product Approved side wall horizontal vented gas fuelled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

(c) MANUFACTURER REQUIREMENTS - -- GAS EQUIPMENT VENTING SYSTEM PROVIDED. When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:
1. Detailed instructions for the installation of the venting system design or the venting system components; and
2. A complete parts list for the venting system design or venting system.

(d) MANUFACTURER REQUIREMENTS - -- GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED. When the manufacturer of a Product Approved side wall horizontally vented gas fuelled equipment does not provide the parts for venting the fuel gases, but identifies “special venting systems”, the following requirements shall be satisfied by the manufacturer.
1. The referenced “special venting system” instructions shall be included with the appliance or equipment installation instructions; and
2. The “special venting systems” shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

(e)) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fuelled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

Table of Contents

Important note for Massachusetts 2

Owners Information

Caution 4

Safety 5

First Fire..... 6

Remote Control Operation..... 7

IFC Module..... 8

Operating Procedure 8

Warnings and Cautions 12

Maintenance..... 13

Lighting Instructions 14

Installer information

Fireplace Dimensions 15

Clearances to Combustibles..... 17

Locating the Fireplace 18

Surround Installation Instructions 25

Venting..... 19

Vent Terminal Minimum Clearance 20

Venting Components 21

Plumbing and Electrical..... 22

Gas Supply..... 23

Gas Pressure Check..... 23

Gas Pressure Testing Procedure 24

Pilot Adjustment..... 24

Propane Conversion 27

Adjustable Leveling Bolts..... 28

Door Installation / Removal..... 28

Battery Holder Installation 29

Fan Installation/ Removal 30

Panel Installation/Removal 34

Log Burner Kit Installation/Removal 35

Log Set Installation/Removal..... 36

Rustic Log Set Installation/Removal 37

Damper Adjustment..... 38

Replacement Parts..... 39

Wiring Diagram..... 40

Casco Rating Label 41

Camden Rating Label..... 42

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

Caution

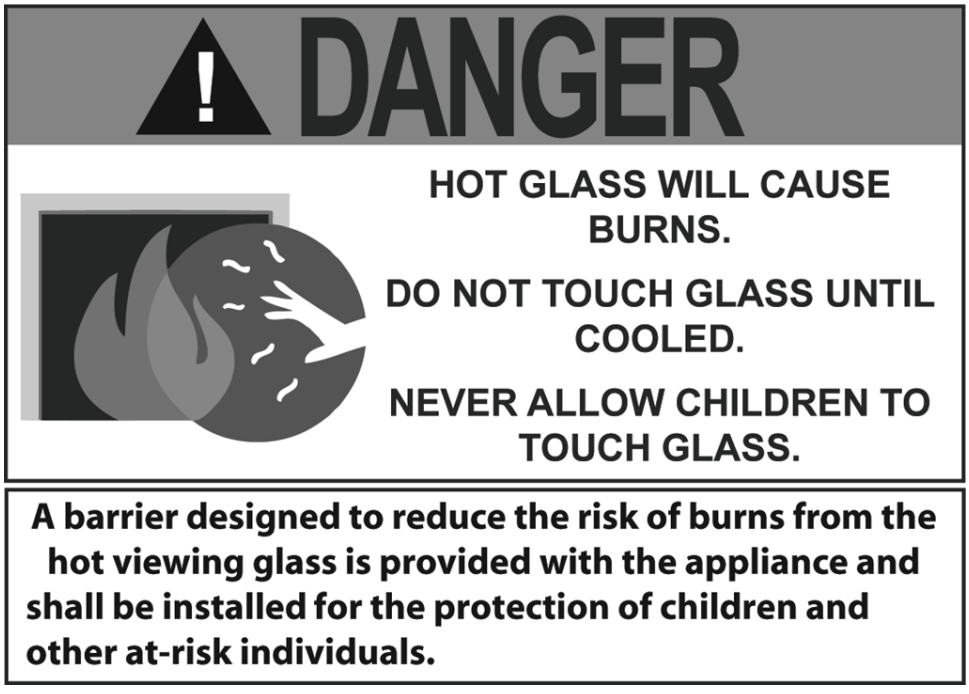
FOR YOUR SAFETY - Do not install or operate your Pacific Energy fireplace without first reading and understanding this manual. Any installation or operational deviation from the following instructions voids the Pacific Energy Warranty and may prove hazardous.

This appliance and its individual shut off valve must be disconnected from gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa).

This appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

Do not use the fireplace if any part has been under water. Immediately call a qualified service technician to inspect the fireplace and to replace any part of the control system and any gas control which has been under water.

This fireplace is equipped with a micro mesh safety screen for your protection and must be installed with the unit. Removal of the safety screen will cause the fireplace to become a burn and fire hazard.


DANGER
HOT GLASS WILL CAUSE BURNS.
DO NOT TOUCH GLASS UNTIL COOLED.
NEVER ALLOW CHILDREN TO TOUCH GLASS.
A barrier designed to reduce the risk of burns from the hot viewing glass is provided with the appliance and shall be installed for the protection of children and other at-risk individuals.

- Due to high temperatures, this gas appliance should be located out of traffic and away from furniture and draperies.

- Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.

- Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns.

- A physical barrier is provided if there are at risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.

- Clothing or other flammable material should not be placed on or near the appliance.

- A barrier designed to reduce the risk of burns from the hot viewing glass is provided with the appliance and shall be installed.

- If the barrier becomes damaged, the barrier shall be replaced with the manufactures' barrier for this appliance.

- Any grill, panel or door removed for servicing the unit must be replaced prior to operating.

- Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.

- This appliance must not be connected to a chimney flue serving a separate solid fuel burning appliance.

- It is our policy that no responsibility is assumed by the Company or by any of its employees or representatives for any damages caused by an inoperable, inadequate, or unsafe condition which is the result, either directly or indirectly, of any improper operation or installation procedures.

Congratulations on your purchase of a Pacific Energy Gas Fireplace.

Your fireplace has been professionally installed by:

Dealer name: _____

Phone Number: _____

If you discover any problems with your gas fireplace contact your dealer immediately to have the unit repaired.

Caution: Do not attempt to repair the fireplace yourself, you may cause injury to yourself or others and risk causing damage to the unit.

Before operating your fireplace, carefully read this manual and pay close attention to all Safety Warnings. The manual contains important information on the unit's safe operation and maintenance.

First Fire

When lit for the first time, the fireplace will emit a slight odour for a couple of hours. This is due to the curing of paints, sealants, gaskets, and lubricants used in the manufacturing process. This condition is temporary. Open doors and windows to the ventilate area. Odour caused by the curing process may cause discomfort to some individuals.

It is normal for fireplaces fabricated from steel to give off some expansion and/or contraction noises during the start up or cool down cycle. Similar noises are found with your furnace heat exchanger or cook stove oven.

NOTE: Fireplace may take up to 30 seconds to ignite each time the "ON" button has been selected

System Description

The Proflame2 Remote Control System consists of two elements:

1. Proflame2 Transmitter.

2. Proflame2 Integrated Fireplace Control (IFC) board and a wiring harness to connect the IFC to the gas valve and stepper motor.

Transmitter (Remote Control with LCD Display)

The Proflame2 Transmitter uses a streamline design with a simple button layout and informative LCD display (Fig. 1). The transmitter is powered by 3 AAA type batteries. A Mode key is provided to Index between the features and a Thermostat key is used to turn on/off or index through thermostat functions (Fig. 1 & 2).

Figure 1: Proflame Transmitter

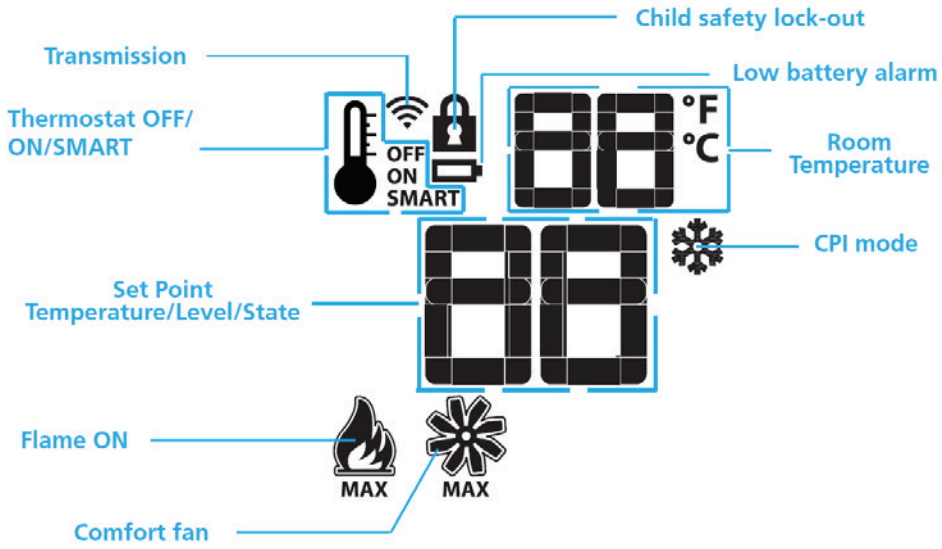


Figure 2: Transmitter LCD display

IFC Module

The Proflame2 Integrated Fireplace Control (IFC) module (Fig. 3) is a device that allows automatic ignition and pilot flame supervision, and commands the functions of the hearth Fireplace. It's configured to control the ON/OFF main burner operation, giving the choice of both IPI (intermittent pilot ignition), and CPI (continuous pilot ignition) modes. The Proflame2 IFC module controls and connects directly to the pilot assembly and the automatic valve using low electric power.

The IFC module can be powered by both an AC power supply, and battery pack for back up. The Proflame2 offers the added ability to control the comfort fan speed from OFF through six (6) speeds, a remotely actuated auxiliary outlet and a dimmable light outlet. The external batteries can provide DC power to the IFC allowing the batteries to be used only when line power is interrupted or lost, and if the Fireplace does not use a combustion fan.

Operating Procedure

Initializing the System for the first time

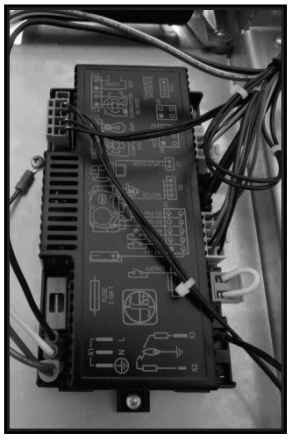
1. Install 4 AA batteries into the battery bay (Fig. 4) located on the rear side behind the surround below the firebox. Install the ON/OFF switch cover (Fig. 5) over top of the battery bay. Make sure that the selection switch is on the "Remote" setting.

2. Install 3 AAA batteries into the Proflame2 Remote Transmitter (Fig. 1).

3. Plug the power cord into the Brentwood/Broadway and open the gas supply line.

4. Insert a straightened paper clip into the opening marked "PRG" of the ON/OFF battery bay cover (Fig. 4 & 5) and press the program button once. The module will beep 3 times indicating that it is ready to synchronize with a remote transmitter.

5. On the remote transmitter, push the power on button once. The remote transmitter will beep 4 times to indicate that the remote transmitter and the control module are now synchronized. The remote transmitter is now ready to use.



3. IFC (integrated fireplace control) module.

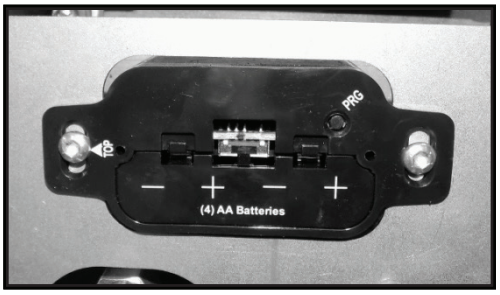


Figure 4. On/Off switch. Position switch in the middle to use the hand-held remote control switch.

Figure 5. On/Off switch cover

Temperature indication Display

With the system in the "OFF" position, press the Thermostat Key and the Mode Key at the same time. Look at the LCD screen on the transmitter to verify that a C or F is visible to the right of the Room Temperature display. (Fig. 6 & 7)

Figure 6: Display in Fahrenheit

Figure 7: Display in Celsius

Turn on the Fireplace

With the system OFF, press the ON/OFF Key on the remote transmitter. The remote transmitter display will show some other active Icons on the screen. At the same time the Receiver will activate the Heater. A single "beep" from the Receiver (module) will confirm reception of the command.

Turn off the Fireplace

With the system ON, press the ON/OFF Key on the Remote transmitter. The Remote transmitter LCD display will only show the room temperature (Fig. 6 or 7). At the same time the Receiver (module) will turn off the Heater. A single "beep" from the Receiver confirms reception of the command.

Manual Bypass of the Remote System

If the batteries of the receiver or remote transmitter are low or depleted, the Heater can be turned off manually using ON/OFF switch located on battery box at the rear of the Broadway/Brentwood. This will bypass the remote transmitter.

Key Lock

This function will lock the keys to avoid unsupervised operation. To activate this function, press the MODE and UP keys at the same time. The lock icon will appear (Fig. 8). To de-activate this function, press the MODE and UP keys at the same time.

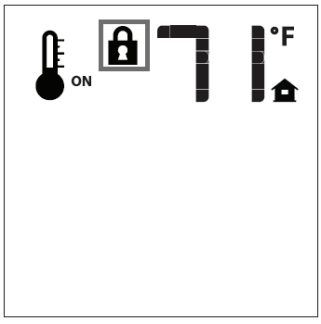


Figure 8

Remote Flame Control

The Proflame2 has six (6) flame levels. With the system on, and the flame level at the maximum in the appliance, pressing the down arrow key once will reduce the flame height by one step until the flame is turned off.

The Up Arrow Key will increase the flame height each time it is pressed. If the Up Arrow Key is pressed while the system is on but the flame is off, the flame will come on in the high position. (Fig. 9) A single "beep" will confirm reception of the command.

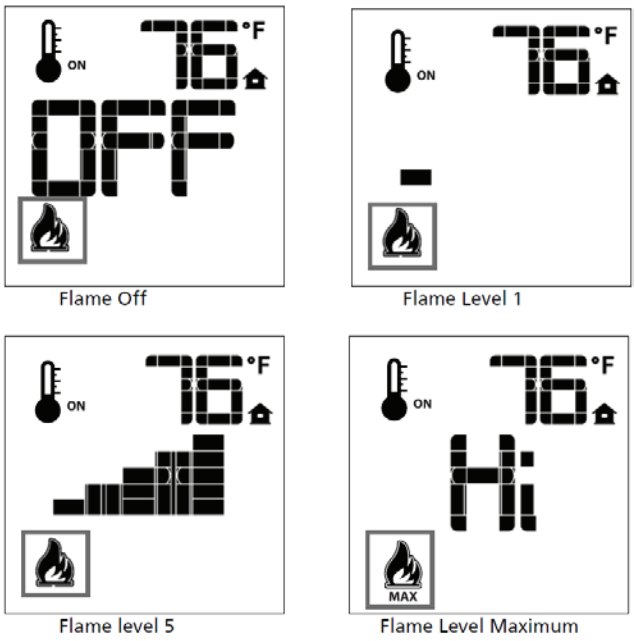


Figure 9:

ROOM THERMOSTAT (Transmitter Operation)

The Remote Control can operate as a room thermostat. The thermostat can be set to a desired temperature to control the comfort level in a room.

To activate this function, press the Thermostat key (Fig. 1). The LCD display on the transmitter will change to show that the room thermostat is "ON" and the set temperature is now displayed (Fig.10). To adjust the set point, press the up or down arrow keys until the desired set point temperature is displayed on the LCD screen of the transmitter.

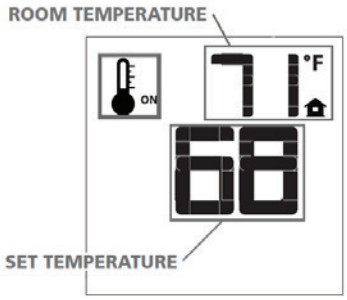


Figure 10

Smart Thermostat (Transmitter Operation)

The Smart Thermostat function adjusts the flame height in accordance to the difference between the set point and the room temperatures. As the room temperature gets closer to the set point, the Smart Function will modulate the flame down. If the room temperature is cool, the Smart Function will modulate the flame up. To activate this function, press the THERMOSTAT key (Fig. 1) until the word "SMART" appears to the right of the temperature icon (Fig.11). To adjust the set point, press the up or down arrow keys until the desired set point temperature is displayed on the LCD screen of the remote transmitter (Fig. 12).

Figure 11: Smart Flame Function

Figure 12

Comfort Fan Speed Control

If the Heater is equipped with a hot air circulating fan, the speed of the fan can be controlled by the Proflame2 System. The fan speed can be adjusted through six (6) speeds. To activate this function use the Mode Key (Fig. 1) to index to the fan control icon (Fig. 13). Use the Up/Down Arrow Keys (Fig. 1) to turn on, off or adjust the fan speed (Fig. 13). A single "beep" will confirm reception of the command.

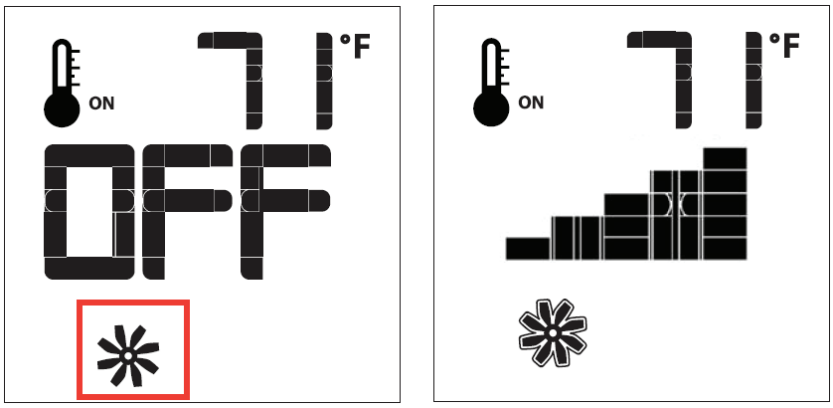


Figure 13: Fan Control

Continuous Pilot/Intermittent Pilot (CPI/IPI) selection

With the system in the "OFF" position, press the Mode Key (Fig. 1) to index to the CPI mode icon (Fig. 14). Pressing the Up Arrow Key will activate the Continuous Pilot Ignition mode (CPI). Pressing the Down Arrow Key will return to IPI. A single "beep" will confirm the reception of the command.

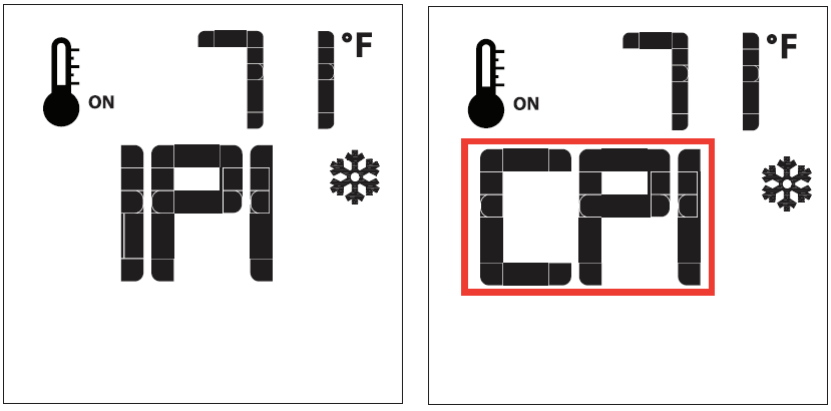


Figure 14: CPI/IPI Selection

Low Battery Power Detection

Transmitter

The life span of the remote control batteries depends on various factors: quality of the batteries used, the number of ignitions of the Heater, the number of changes to the room thermostat set point, etc.

When the remote batteries are low, an icon will appear on the LCD display of the remote (Fig. 15) before all battery power is lost. When the batteries are replaced this icon will disappear.

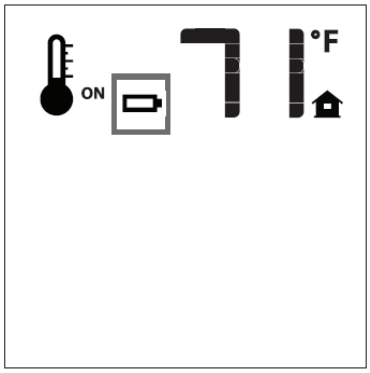


Figure 15

Receiver

The life span of the IFC module batteries depends on various factors: quality of the batteries used, the number of ignitions of the Heater, the number of changes to the room thermostat set point, etc.

When the IFC batteries are low, a "double-beep" will be emitted from the IFC module when it receives a command from the remote. This is an alert for a low battery condition for the IFC board. When the batteries are replaced, a single "beep" will be emitted from the IFC module when a key is pressed (See initialization of the system for the first time on page 8).

Warnings and Cautions

WARNING
Fire Hazard. Can cause severe injury or death
The Receiver causes ignition of the appliance. The appliance can turn on suddenly. Keep away from the appliance burner when operating the remote system or activating manual bypass of the remote system.

WARNING
Shock Hazard. Can cause severe injury or death
This device is powered by line voltage. Do not try to repair this device.
In no way is the enclosure to be tampered with or opened.
Disconnect from line voltage before performing any maintenance.

Turn off gas and electrical power supply (if applicable) and allow ample time for unit to cool before servicing appliance. It is recommended that the fireplace and its venting should be inspected at least once a year by a qualified service person.

Glass Door:

Warning: Do not operate fireplace with glass door removed, cracked or broken. Replacement of the glass door should be done by a licensed or qualified service person.

Do not strike or otherwise impact the glass in any way that may cause it to break. If the glass becomes cracked or broken it must be replaced before using the fireplace. Replacement door can be obtained from your nearest Pacific Energy dealer. **Do not substitute with any other type.**

To remove broken glass, remove Door as noted in "Door Removal" section.

Annual Inspection:

a) Remove glass door and decorative media (such as logs and rocks). Inspect decorative media and burner assemblies for soot buildup. If excessive buildup of soot is present, have a qualified service person inspect and adjust unit for proper combustion. Clean burners with a brush or vacuum cleaner, paying close attention to burner ports.

b) Check the pilot system for proper flame size and operation. Clean pilot free of soot, dust or any other deposits.

c) Check that the vent pipe and vent terminal are open and free from blockage or debris. If the venting is disassembled for cleaning, it must be properly assembled and re-sealed. Refer to VENTING section for proper procedure.

d) Check glass panel gasket, replace if necessary. It is important that the glass seal be maintained in good condition.

e) Check and replace batteries as needed.

Note: The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.

Periodically:

a) Viewing glass may be cleaned as necessary with fireplace glass cleaner.

b) Exterior finish may be cleaned with mild soap and water.

CAUTION:

Do not use abrasive cleaners on glass or any other part of the fireplace.
Do not clean glass when hot.

Lighting Instructions

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: **If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.**

A. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.

B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
WHAT TO DO IF YOU SMELL GAS:
- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance & to replace any part of the control system & any gas control which has been under water.

LIGHTING INSTRUCTIONS

1. STOP! Read the safety information above on this label.
2. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
3. Push the "On/ Off" switch to turn the fireplace ON.
- If the burner does light go to step 6.
- If the burner does not light, complete steps 4 through 5.
- If the burner will not light or stay lit after several tries, push the "On/ Off" switch for the fireplace to OFF, turn off all electric power to the fireplace and call your service technician or gas supplier.
Note: Sufficient time must be allowed for air to escape from lines if the unit is being lit for the first time.
4. Push the "On/ Off" switch to the fireplace Off.
5. Allow sufficient length of time (minimum 5 minutes) for any gas in the combustion chamber to escape. If you still smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to step 3.
6. Set fireplace to desired setting by using hand held remote.

TO TURN OFF GAS APPLIANCE

1. **Push the "on/ off" switch to the "Off" position.**
2. **Turn off all electric power to the appliance and remove backup batteries if service is to be performed or for extended shutdown.**

Due to high surface temperatures, keep children, clothing and furniture away. Keep burner and control compartment clean. See installation and operating instructions accompanying the appliance.
A cause de la temperature elevee des parios, tenir eloignes les enfants, les vetements et les meubles. Maintenir propres le bruleur et le compartiment de commande. Voir les instructions relatives a l'installation et au fonctionnement qui accompagnent l'appareil.

CAUTION: Hot while in operation. Do not touch. Severe burns may result. Keep children, clothing, furniture, gasoline and other liquids having flammable vapours away. Keep burner and control compartment clean. See installation and operating instructions accompanying the appliance.

ATTENTION: L'appareil est chaud lorsqu'il fonctionne. Ne pas toucher l'appareil. Risque de brûlures graves. Serveiller les enfants. Garder les vêtements, le meubles, l'essence ou autres liquides produisant des vapeurs infl ammables loin de l'appareil. S'assurer que le brûleur et le compartiment des commandes sont propres. Voir les instructions d'installation et d'utilisation qui accompagnent l'appareil.

CASCO:

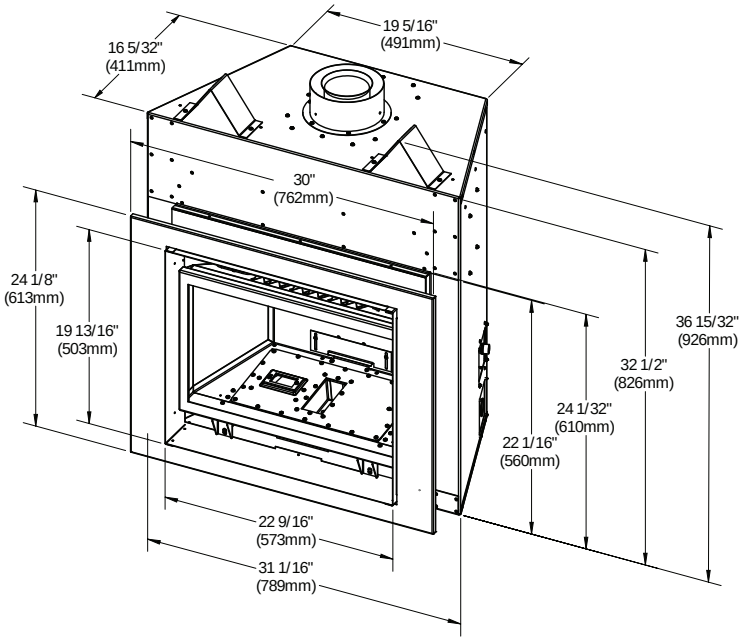


Figure 16: Casco Dimensions

CAMDEN:

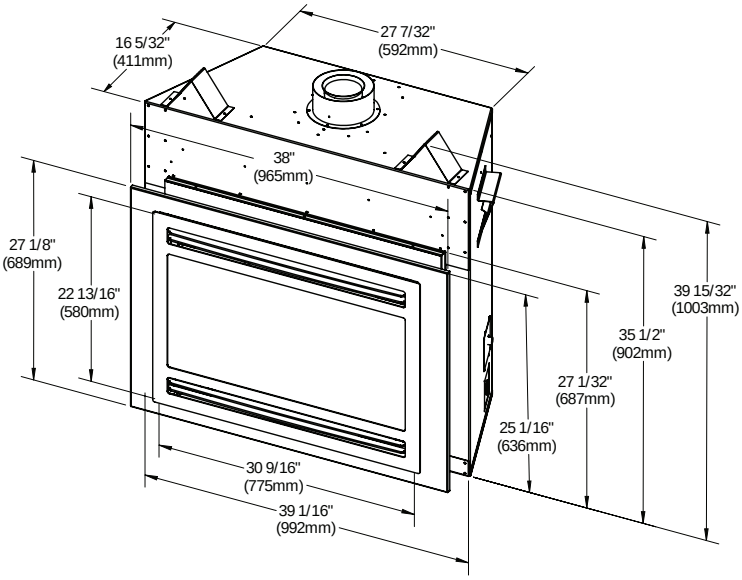


Figure 17: Camden Dimensions

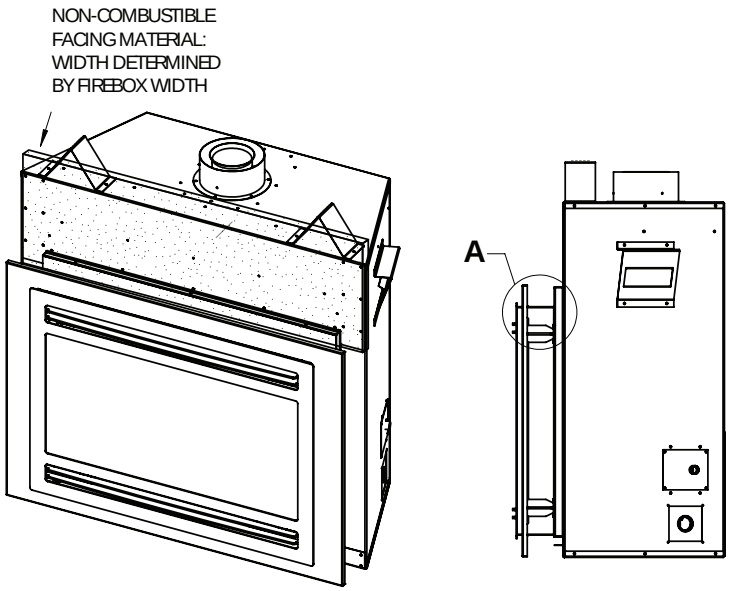


Figure 18: Facing Details

FRAMING NOTE: A sheet of non-combustible material must be used as facing material above the lintel. “Detail A” shows the required dimensions of 12” tall by 1/2” thick (minimum) by X” width as determind by the width of the fireplace at its widest.

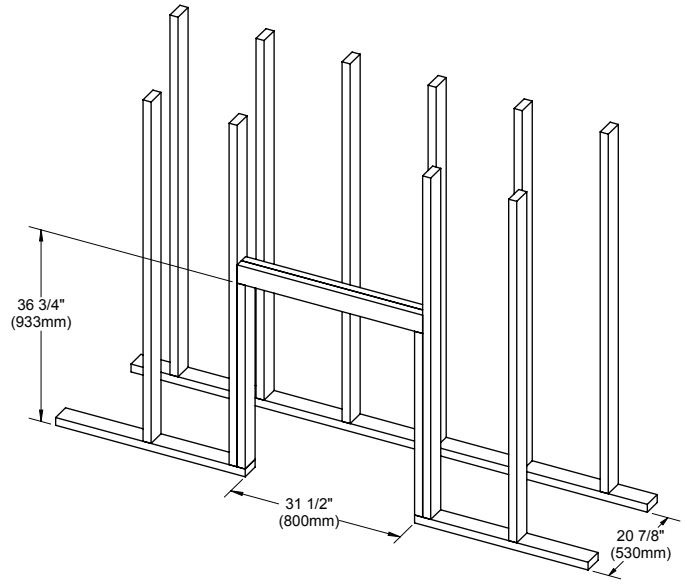


Figure 19: Casco Framing

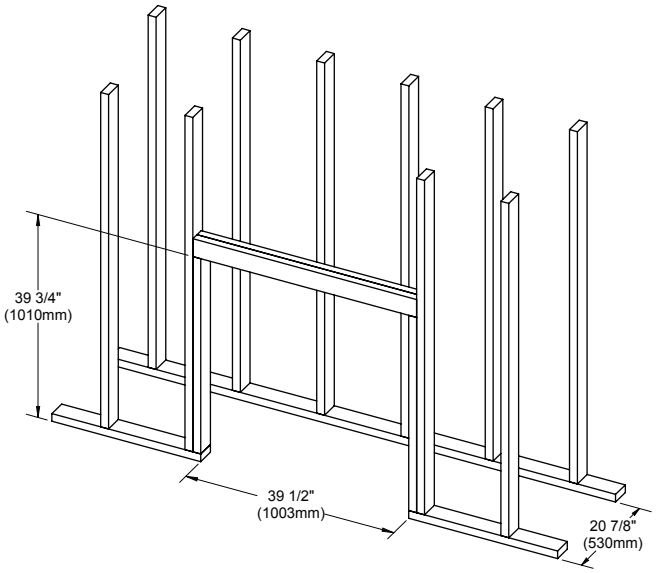


Figure 20: Camden Framing

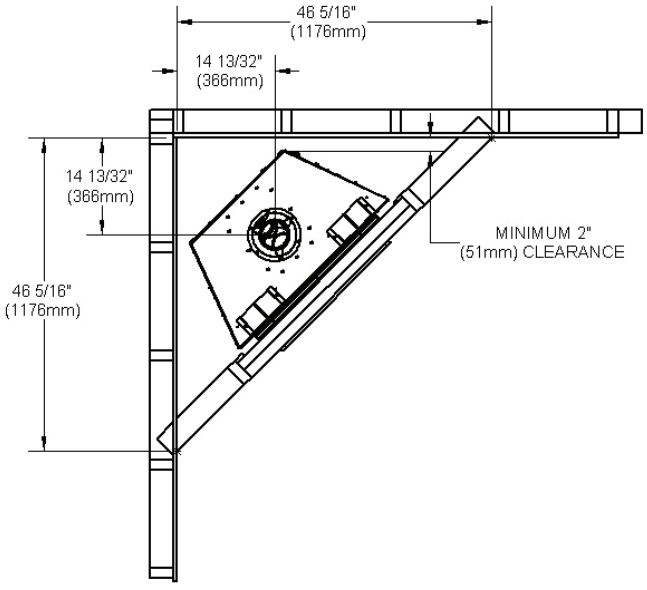


Figure 21: Casco Corner Framing

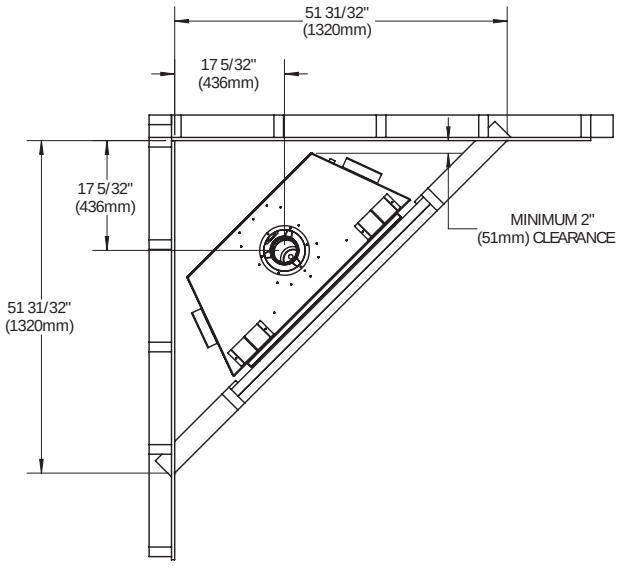


Figure 22: Camden Corner Framing

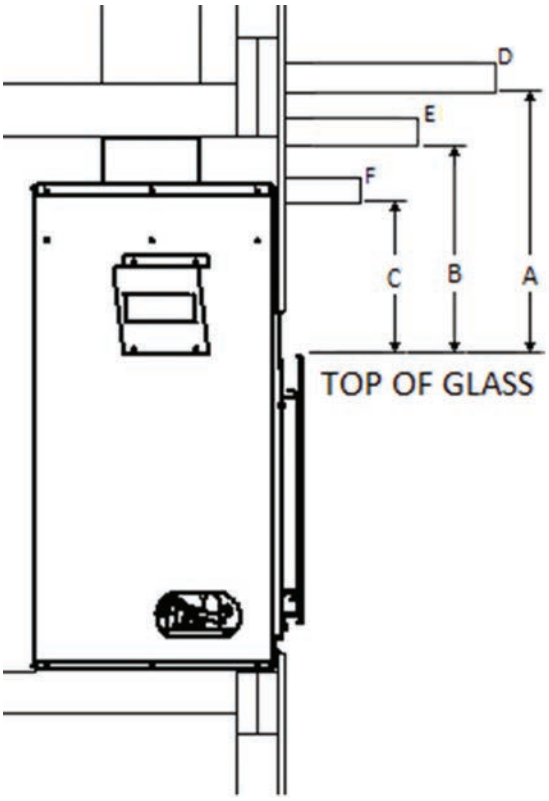


Figure 23: Mantel Clearances

*** MANTEL CLEARANCE**

	CASCO		CAMDEN	
	LOUVERED	CONTOURED	LOUVERED	CONTOURED
A	12”	15”	26”	15”
B	12”	14.5”	24.5”	14.5”
C	12”	15”	23”	14”

**** MANTEL DEPTH**

D	12”
E	9”
F	6”

Minimum Clearance to Combustible Materials

	CASCO	CAMDEN
ENCLOSED SIDE WALL	1.75”	1.75”
ENCLOSED BACK WALL	NCR *	NCR *
ENCLOSED CEILING	4”	4”
ENCLOSED FRONT WALL	NCR*	NCR*
EXPOSED SIDE WALL	8”	8”
VENT ENCLOSURE	1”	1”
EXTERIOR SOFFIT	30”	30”

*NCR STANDS FOR NO CLEARANCE REQUIRED; YOU MAY USE COMBUSTIBLE CONSTRUCTION MATERIALS IN DIRECT CONTACT WITH THE APPLIANCE ON THESE SURFACES.

Figure 24: Minimum Clearances

Locating the Fireplace

In planning the installation for the fireplace, it is necessary to determine where the unit is to be installed, location of vent system and where gas supply piping may be plumbed. Various installations are possible, such as, into an existing wall, a corner, a built in wall or a wall projection. Due to high temperatures, do not locate this fireplace in areas of high traffic or near furniture or draperies.

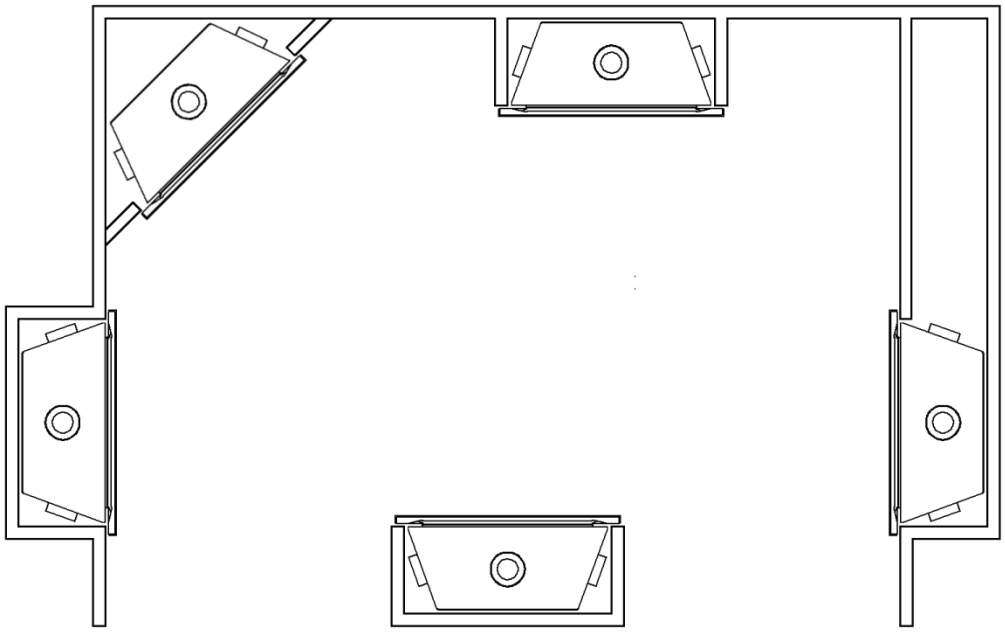


Figure 25: Common Installation Location

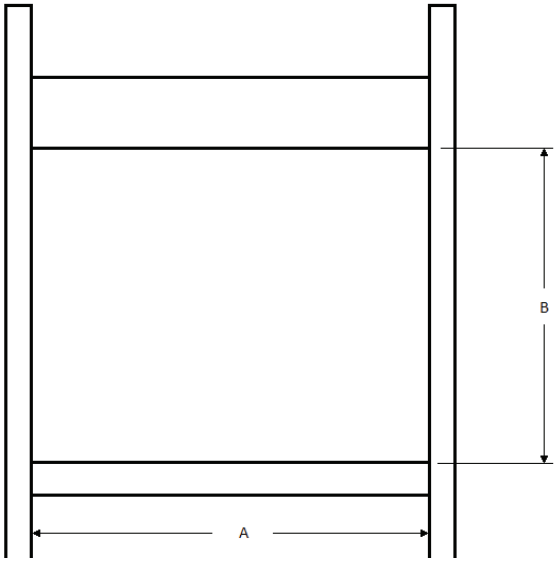


Figure 26: Framing Dimensions

	CASCO	CAMDEN
A	31.5 “	39.5 “
B	36.75 “	39.75 “

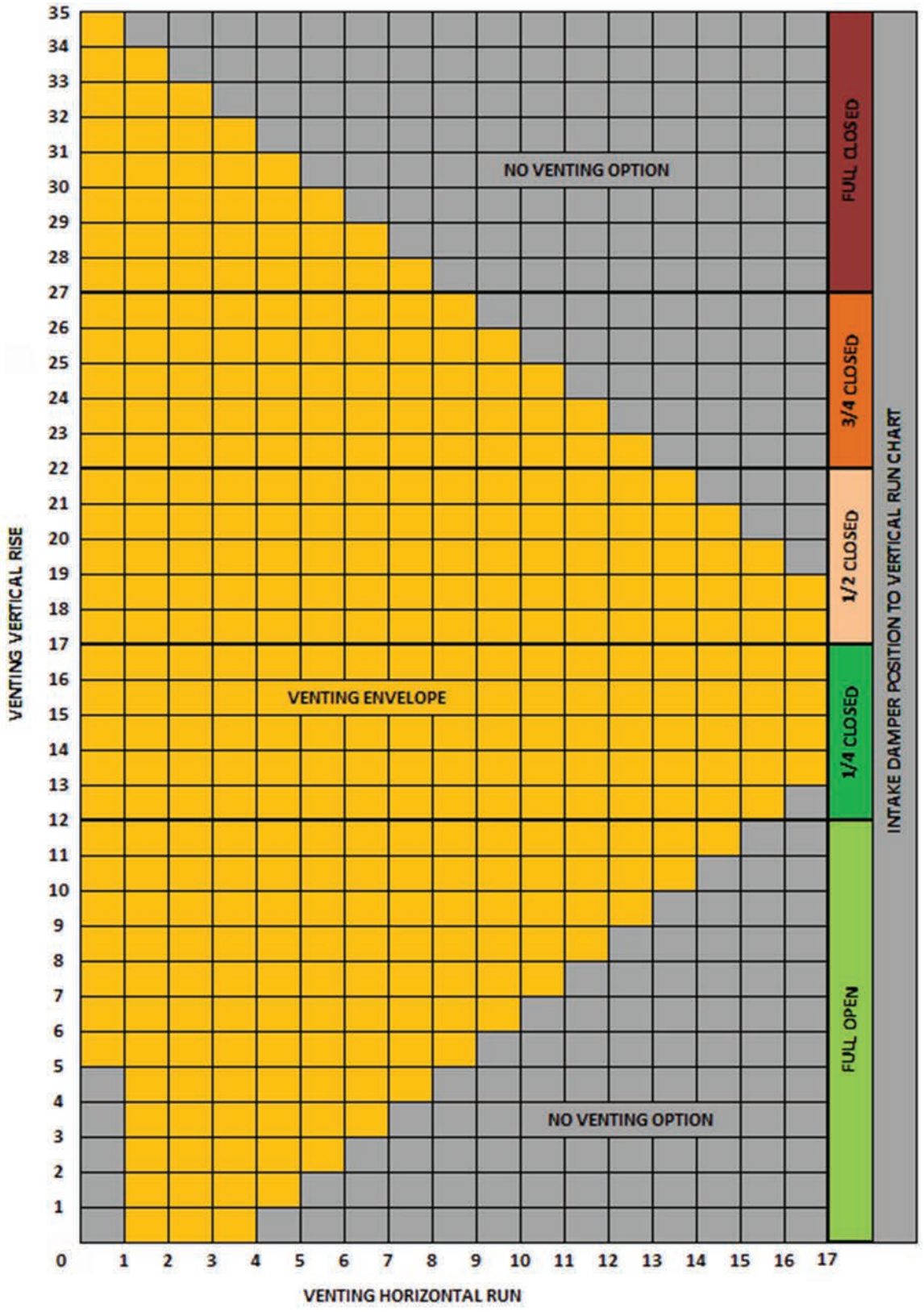
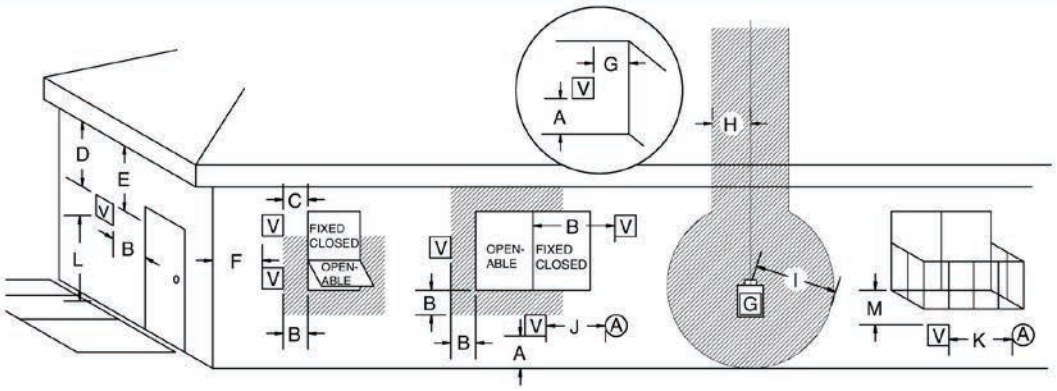


Figure 27: Venting Chart

Note: The intake damper positions specified in this chart were set in a controlled testing environment, and serve as a general guideline for installations. Every venting configuration is different, and the damper setting may need slight adjustment from this chart.

Note: The vent must not exceed a total length of 35 feet. Any combination of rise and run may be used but must be constrained to the boundaries of this chart. A Maximum of three 90° elbows may be used. Only one (1) 90° elbow or combination of other elbows equalling 90° can be used without reducing horizontal run. For each additional 90° elbow, or an equal combination of elbows, reduce horizontal vent run by 2 feet. Ensure vent pipe is properly supported.

Vent Terminal Minimum Clearances



V VENT TERMINAL Ⓐ AIR SUPPLY INLET AREA WHERE TERMINAL IS NOT PERMITTED G GAS METER

A=	*12 inches (30 cm) min.	Clearances above grade, veranda, porch, deck, or balcony
B=	*12 inches (30 cm) min.	Clearance to window or door that may be opened
C=	12 inches (30 cm) min.	Clearance to permanently closed window recommended to prevent condensation on window
D=	16 inches (40 cm) min.	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 16 inches (40 cm) from the edge of the terminal.
E=	30 inches (76 cm) min.	Clearance to unventilated soffit
F=	6 inches (15 cm) min.	Clearance to outside corner
G=	6 inches (15 cm) min.	Clearance to inside corner
H=	3 feet (90 cm) min.	*Not to be installed above a meter/regulator assembly within 3 feet (90 cm) horizontally from the center-line of the regulator
I=	*6 feet (1.8 m) min.	Clearance to service regulator vent outlet
J=	*12 inches (30 cm) min.	Clearance to non mechanical air supply inlet to building or the combustion air inlet to any other appliance
K=	*6 feet (1.8 m) min.	Clearance to a mechanical air supply inlet
L=	*7 feet (2.1 m) min.	^ Clearance above paved side-walk or a paved driveway located on public property
M=	**30 inches (76 cm) min	Clearance under veranda, porch, deck, or balcony

^ a vent shall not terminate directly above a side-walk or paved driveway which is located between two single family dwellings and serves both dwellings*
** only permitted if veranda, porch, deck, or balcony is fully open on a minimum of 2 sides beneath the floor*
* as specified in CGA B149 Installation Codes, Note: local Codes or Regulation may require different clearances
* for U.S.A. Installations follow the current National Fuel Gas Code, ANSI Z223.1

Figure 28: Vent terminal minimum clearances.

This fireplace is certified for use with 4” x 6-5/8”coaxial venting components only. It is permitted to only use certified venting for this appliance. Including certified coaxial flexible venting.

Figure 29: Venting components

NOTE: Mixing venting components from different manufacturers is inadvisable.

Description	ICC EXCELDirect®		Metal-Fab® Sure-Seal		Security Secure Vent™		Selkirk Direct-Temp™		DuraVent DirectVent Pro®	
	Galvanized	Black	Galvanized	Black	Galvanized	Black	Galvanized	Black	Galvanized	Black
6"Pipe Length	4DL6	4DL6B	4D6	4D6B	SV4L6	SV4LB6	4DT-06	4DT-06B	46DVA-06	46DVA-06B
9"Pipe Length	N/A	N/A	N/A	N/A	N/A	N/A	4DT-09	4DT-09B	46DVA-09	46DVA-09B
12"Pipe Length	4DL1	4DL1B	4D12	4D12B	SV4L12	SV4LB12	4DT-12	4DT-12B	46DVA-12	46DVA-12B
18"Pipe Length	N/A	N/A	4D18	4D18B	N/A	N/A	4DT-18	4DT-18B	46DVA-18	46DVA-18B
24"Pipe Length	4DL2	4DL2B	4D24	4D24B	SV4L24	SV4LB24	4DT-24	4DT-24B	46DVA-24	46DVA-24B
36"Pipe Length	4DL3	4DL3B	4D36	4D36B	SV4L36	SV4LB36	4DT-36	4DT-36B	46DVA-36	46DVA-36B
48"Pipe Length	4DL4	4DL4B	4D48	4D48B	SV4L48	SV4LB48	4DT-48	4DT-48B	46DVA-48	46DVA-48B
60"Pipe Length	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	46DVA-60	46DVA-60B
Adjustable Length (< 12")	4DLT	4DLTB	4DAL	4DALB	SV4LA SV4LA12	SV4LA SV4LA12	4DT-AJ12	4DT-AJ12B	46DVA-08A	46DVA-08AB
Adjustable Length (> 12")	N/A	N/A	N/A	N/A	SV4LA24	SV4LBA24	N/A	N/A	46DVA-16A	46DVA-16AB
Telescopic Pipe	N/A	N/A	N/A	N/A	N/A	N/A	4DT-TL14 4DT-TL38	4DT-TL14B 4DT-TL38B	46DVA-17TA 46DVA-24TA	46DVA-17TAB 46DVA-24TAB
45° Elbow	4DE45	4DE45B	N/A	N/A	N/A	SV4EBR45	4DT-EL45	4DT-EL45B	46DVA-E45	46DVA-E45B
45° Elbow (Swivel)	N/A	N/A	4D45L	4D45LB	SV4E45	SV4EB45	N/A	N/A	N/A	N/A
90° Elbow	4DE90	4DE90B	N/A	N/A	N/A	SV4EBR90	4DT-EL90S	4DT-EL90SB	46DVA-E90	46DVA-E90B
90° Elbow (Swivel)	N/A	N/A	4D90L	4D90LB	SV4E90	SV4EB90	N/A	N/A	N/A	N/A

Figure 30: 4”x6-5/8” Rigid Piping Cross Reference Chart

Description	ICC EXCELDirect®	Metal-Fab® Sure-Seal	Security Secure Vent™	Selkirk Direct-Temp™	DuraVent DirectVent Pro®
Ceiling Support	4CS	4DSP	SV4SD	4DT-CS	46DVA-DC
Cathedral Support Box	4SS	4DRS	SV4CSB	4DT-CSS	46DVS-CS
Wall Support	4WS	4DWS	SV4BM	4DTWS/B	46DVA-WS
Offset Support	4OS	N/A	SV4SU	4DT-OS	46DVA-ES
Wall Thimble	4WT	4DWT	SV4RSM	4DT-WT	46DVA-WT
Firestop Spacer	4CS	4DFS	SV4BF	4DT-FS	46DVA-FS
Trim Plate	4TP	4DCP	SV4PF	4DT-TP	N/A
Attic Insulation Shield	4AS	N/A	SV4RSA	4DT-AIS	46DVA-IS
Storm Collar	4SC	4DSC	SV4FC	4DT-SC	46DVA-SC
Flat Roof Flashing	4F	N/A	SV4F	4DT-AF6	46DVA-FF
Adjustable Flashing (0/12 - 6/12)	4FA	4DF	SV4FA	4DT-AF6	46DVA-F6
Adjustable Flashing (6/12 - 12/12)	4FB	4DF-12	SV4FB	4DT-AF12	46DVA-F12
Vinyl Siding Standoff	4VSS	4DVS	SV4VS	4DT-VS	46DVA-VSS
High Wind Vertical Cap	4VT	N/A	N/A	N/A	46DVA-VCH
High Wind Horizontal Cap	4DHT	N/A	N/A	N/A	46DVA-HSCH
Horizontal Termination Cap	4HT	4DHT	SV4CHC	4DT-HC	46DVA-HC
Vertical Termination Cap	4VT	4DVT	SV4CGV	4DT-VT	46DVA-VC
Snorkel Termination Cap	4ST14 4ST36	4DST14 4DST36	SV4STC14 SV4STC36	4DT-ST14 4DT-ST36	46DVA-SNK14 46DVA-SNK36
Horizontal Termination Kit	4HTK	4DHTKA 4DHTKB	SV0HK SV0HK2	4DT-HKA 4DT-HKB	46DVA-KHA 46DVA-KHC
Vertical Termination Kit	N/A	4DHTK	SV0FK SV0FAK / SV0FBK	4DT-VKC	N/A

Figure 31: 4”x6-5/8” Rigid Pipe Components Cross Reference Chart

Plumbing and Electrical

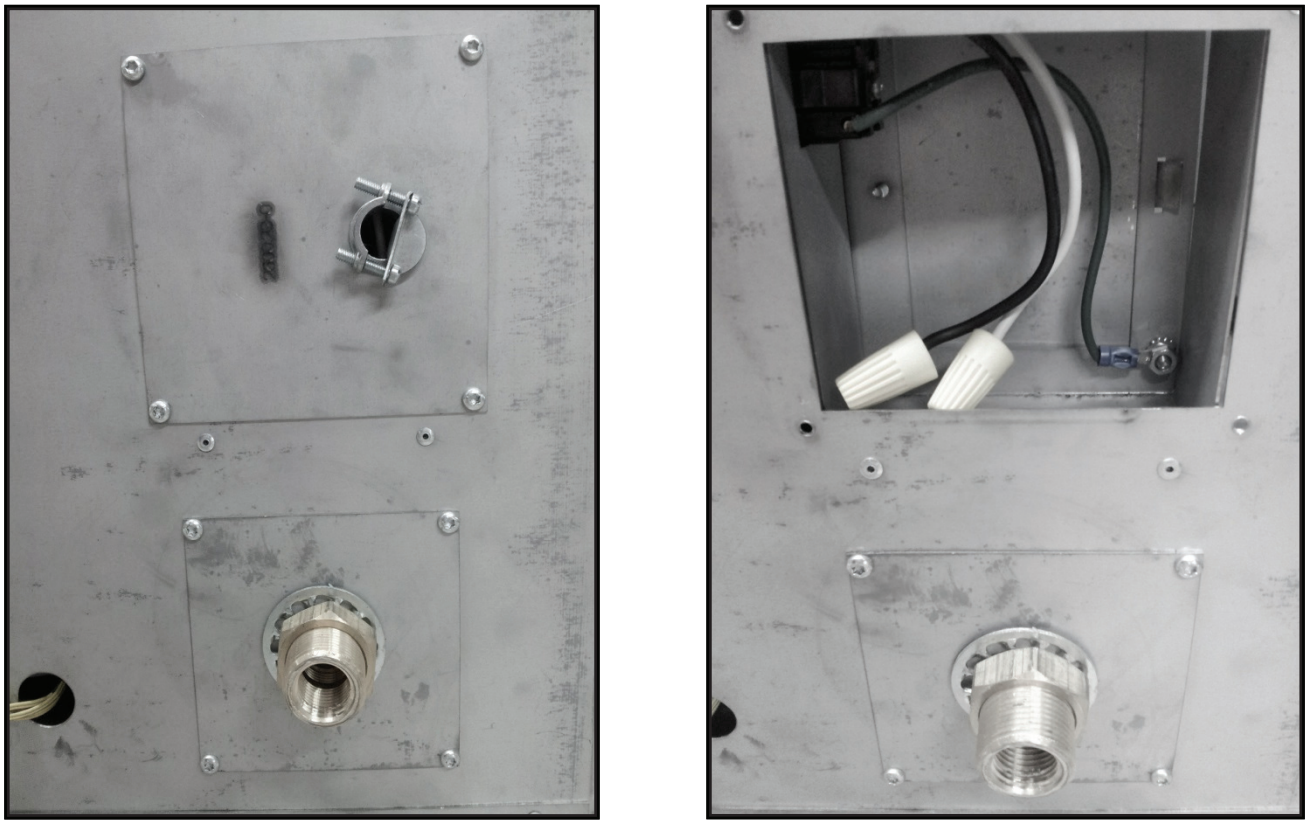


Figure 32: Gas and Electrical Connections

Gas connection

To make the required electrical and gas connections, start by positioning the gas fireplace. Connect the gas supply line to the 1/2” fitting that extends out of the unit as seen in Figure 32. Please see the gas supply section for requirements of the gas supply.
A gas shut off valve is located inside the fireplace and may be accessed by removing the inner firebox unit.

Electrical connection

Open the access panel seen in Figure 32 and connect the line wires to the supplied wires inside the junction box using marrettes. A licensed electrician must be used to make this connection.

Gas Supply

Servicing of the appliance can be performed from the front of the unit by removing the door and the gas tray from the unit.

Caution: The gas line should be installed by a qualified service person in accordance with all building codes. This section is intended as a guide for qualified technicians installing this appliance. Consult local and/or national building codes before proceeding.

Gas supply line connection is located on the side of the fireplace. Gas connection accepts a ½" NPT fitting. Correct gas line diameter must be used to assure proper operation and pressure.

The fireplace input rating is shown in the chart below.

A drip leg must be installed in the gas supply line going to the gas control valve to minimize the possibility of any loose scale or dirt within the gas supply line from entering the control valve.

Check local codes for additional requirements.

Turn on the gas supply and check that all connections are tight and leak free.

WARNING: The gas tray including gasket must be reinstalled after conversion/installation or servicing has been completed.

Gas Pressure Check

Please refer to following page for gas pressure testing procedure.

Gas pressure requirements

Input Pressure	Natural Gas	Propane
Minimum	5.0" WC	11.0" WC
Maximum	13.9" WC	13.9" WC
Manifold Pressure		
High	3.5" WC	10" WC
Low	1.6" WC	6.4" WC

Casco

Gas	Orifice	Output	AFUE
NG	1.98mm	18,000 btu/hr	76%
LP	1.25mm	17,000 btu/hr	76%

Camden

Gas	Orifice	Output	AFUE
NG	2.55mm	30,000 btu/hr	75%
LP	1.52mm	26,000 btu/hr	75%

Gas Pressure Testing Procedure

Note: To test the gas pressure, turn off the gas supply to the appliance before loosening test point screws.

Verify gas pressures with the fireplace lit and at the highest setting.

1. Remove bottom trim and locate the valve as seen in Figure 33.
2. Locate the inlet and outlet test points on the valve which can be seen in Figure 34. After locating test ports loosen the screws within the ports using a flat-tip screwdriver.
3. Attach pressure gauge to the test ports.
4. Turn gas supply back on and test pressures.
5. After testing is finished turn off gas supply, remove the pressure gauges and retighten the screws in the test points.

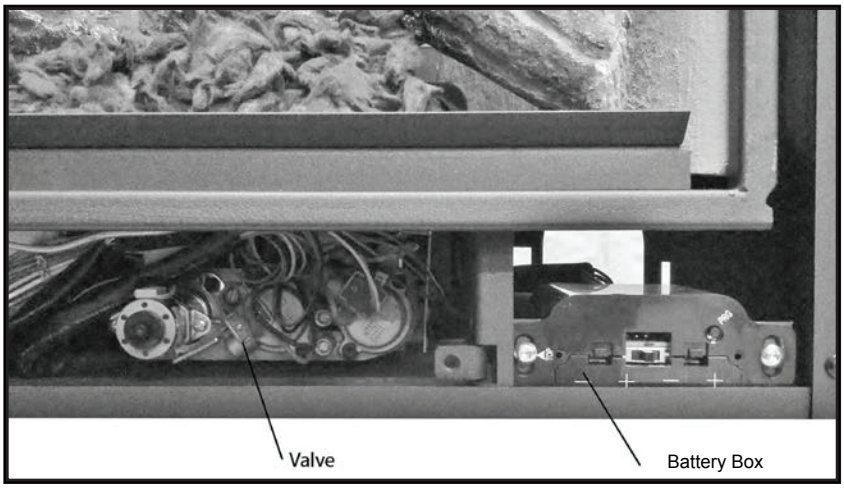


Figure 33: Valve Location

Pilot Adjustment

The pilot flame level can be adjusted by turning the adjustment screw, using a flat-tip screwdriver, seen on the valve in Figure 34.

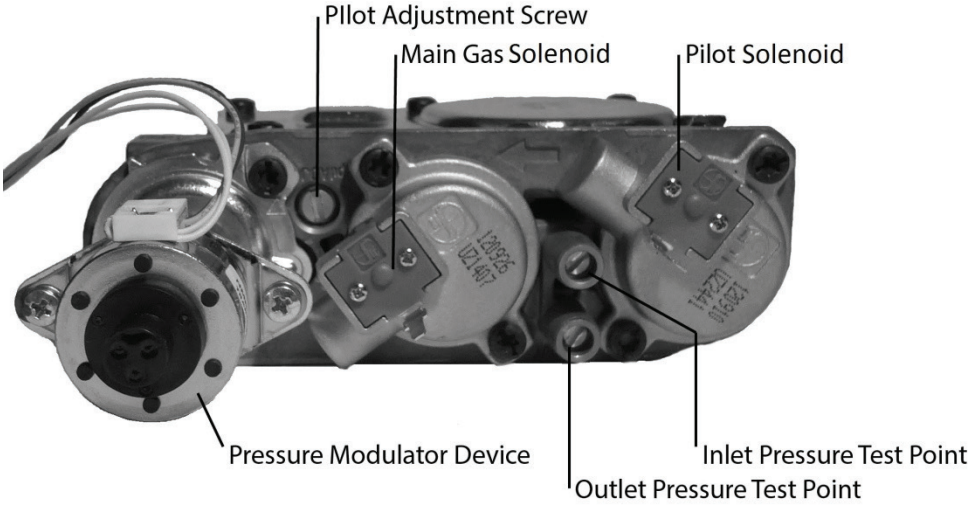


Figure 34: Valve

Figure 35: Door

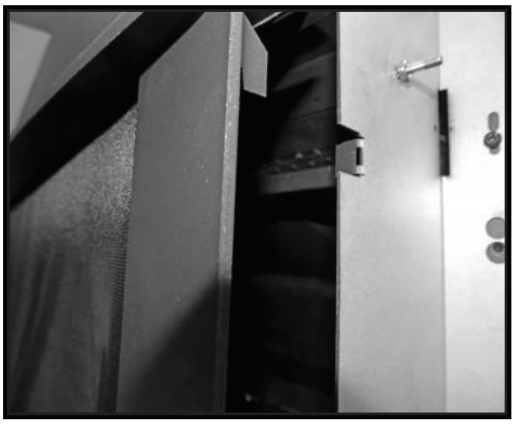


Figure 36: Surround and lintel tab

The surround cover (Fig.35) attaches to the lintel once the decorative backing plate has been installed. The surround easily fits into place by connecting all four of its hooks to the lintels four tabs (Fig.36).

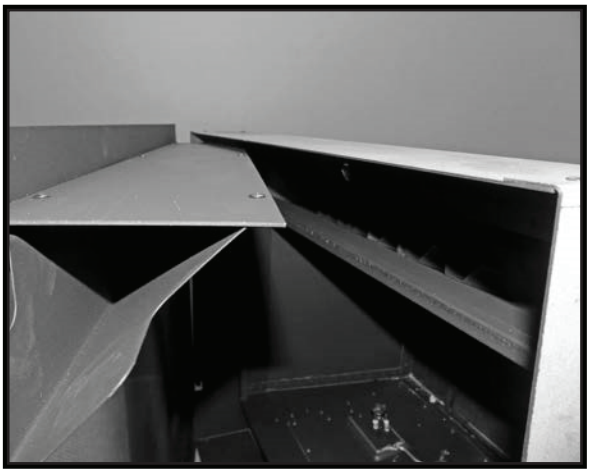


Figure 37: Top of surround fitting inside the baffle during installation

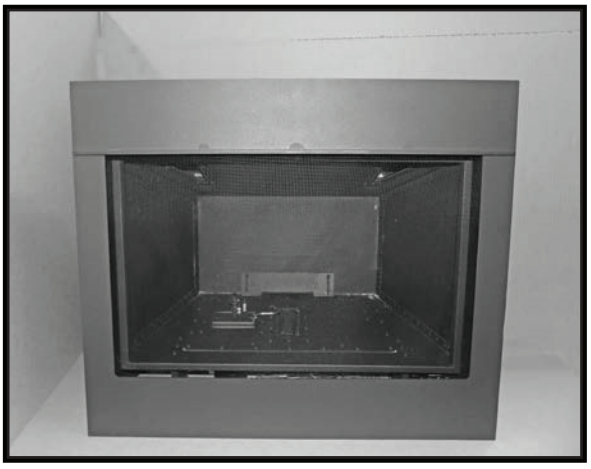
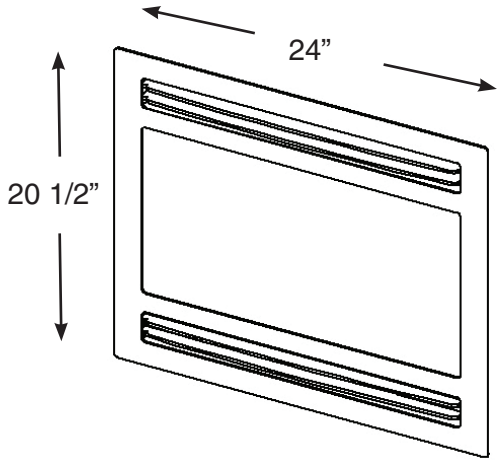


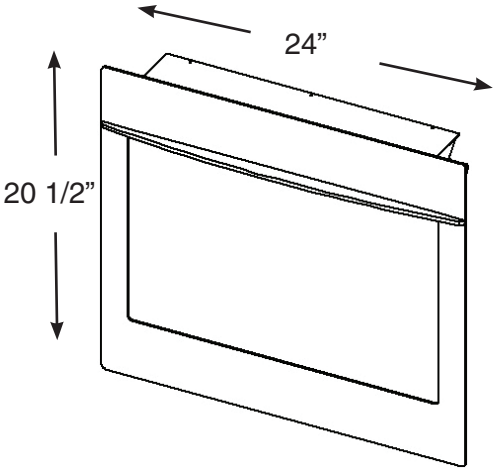
Figure 38: Surround in place (backing not shown)

CASCO



BRCA.18LFBKB - Louvered / Black

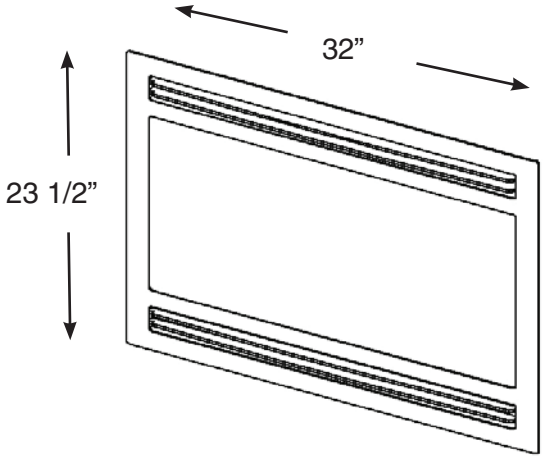
BRCA.18LFGYB - Louvered / Grey



BRCA.18CFBKB - Contoured / Black

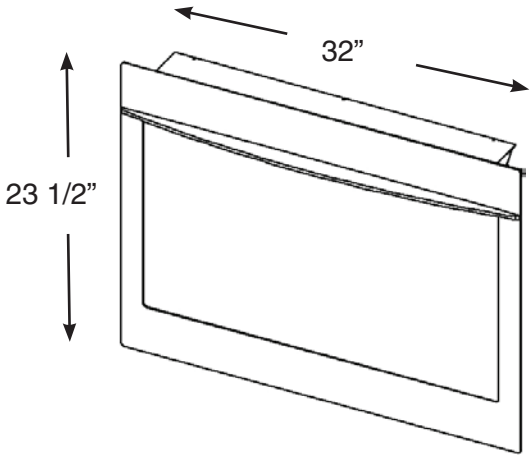
BRCA.18CFGYB - Contoured / Grey

CAMDEN



BDCD.30LFBKB - Louvered / Black

BDCD.30LFGYB - Louvered / Grey



BDCD.30CFBKB - Contoured / Black

BDCD.30CFGYB - Contoured / Grey

Figure 39: Surround dimensions and part numbers

Before starting the conversion make sure to shut off the gas supply to the unit and allow fireplace to cool to room temperature.

To convert the gas fireplace from natural gas to propane the (GASC.LPKIT) kit is required. This kit comes with new pilot and burner orifices as well as a new pressure modulator for the valve.

To switch the pressure modulator, follow the instructions that are provided with the conversion kit.

To change the orifices you are required to remove the door, media set, and burner. Please refer to the appropriate sections of this manual and follow instructions on how to correctly remove the components.

After removing the burner you will have access to the burner orifice which is located on the bottom of the burner tray, as seen in Figure 40. The orifice can be removed using a ½" socket. Before installing the new orifice, Thread Sealant needs to be applied to the threads of the new orifice to ensure a proper seal when installed.

To replace the pilot orifice you will need to remove the pilot hood which is held in place by a spring. First remove the spring, and then remove the hood by pulling it up from the pilot bracket, seen in Figure 41. To remove the existing orifice insert a 5/32" or 4mm Allen wrench into the hexagonal key-way of the orifice and rotate counter-clockwise until free. Insert the new orifice using the same Allen wrench and tighten it until a torque of 9 lbf in (1 Nm) is achieved. Replace the pilot hood by aligning the tab on the base of the hood with the slot in the side of the pilot journal, and push the hood down onto the pilot bracket. Replace the spring by pushing it onto its seat.

Before returning the burner into position, the venturi shutter will have to be adjusted to the correct opening. The correct venturi settings are shown in Figure 42. Loosen the screw with a Phillips screwdriver and rotate the shutter until the open slots on both sides are completely open. Tighten the screw, and return the burner into position.

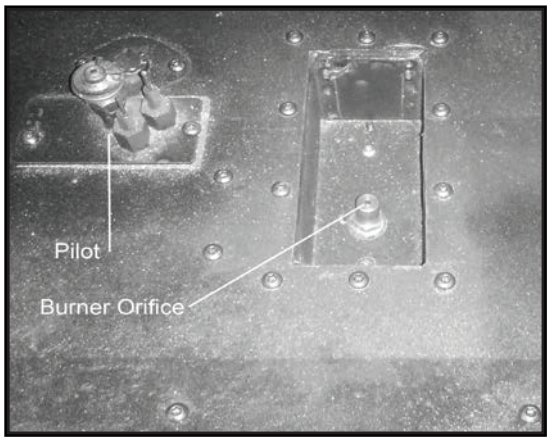


Figure 40: Burner Orifice and Pilot

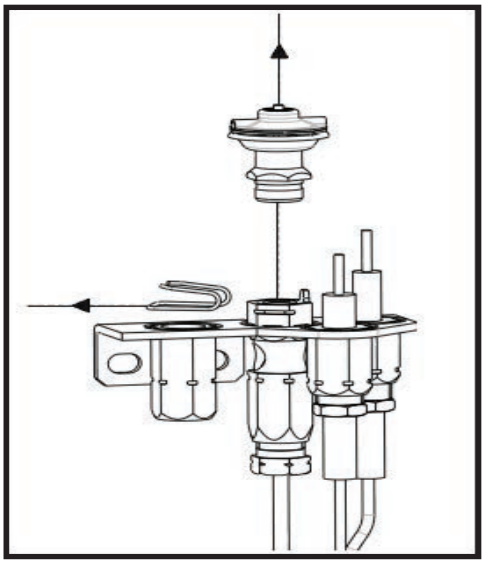


Figure 41: Pilot

VENTURI OPENING		
	Propane	Natural Gas
CASCO	OPEN	1/16"
CAMDEN	OPEN	1/16"

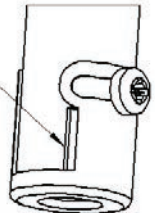


Figure 42: Venturi Shutter

Adjustable leveling bolts

Adjustable leveling bolts

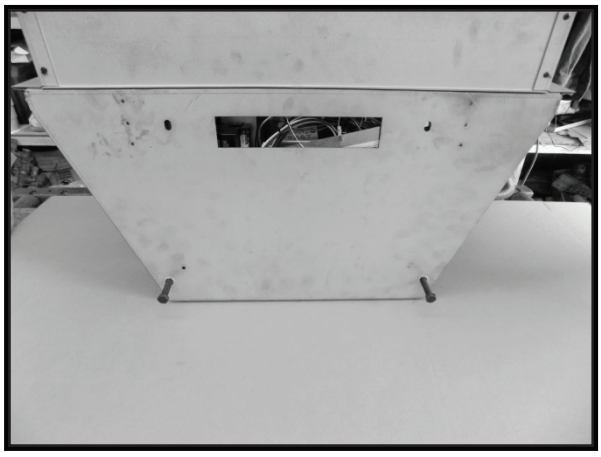


Figure :43 Adjustment feet on the bottom rear of unit.

This fireplace comes with two leveling bolts used to adjust the angle of the front of the fireplace relative to the wall in which it's installed. The bolts are not pre-installed and can be found in a separate plastic bag. Care in measuring should be exercised if using the bolts as the fireplace will be required to be removed each time an adjustment is performed.

Door Installation/Removal

Figure 44: Door

Installation

1. Position the door so that the doors upper bracket is positioned overtop of the lip on top of the firebox.
2. Lower the bottom edge of the door and secure it with 3/8" bolts to the relief arms as shown in Figure 44.

Removal

1. Locate and remove the two 3/8" bolts securing the bottom of door as seen in Figure 44.
2. Tilt the bottom of the door away from the appliance and lift the door off.

Battery Holder Installation

A new battery holder bracket replaces the older one in the series A fireplaces. The older one (Fig. 45) was riveted into place while the new series B bracket (Fig. 46) is screwed into place.

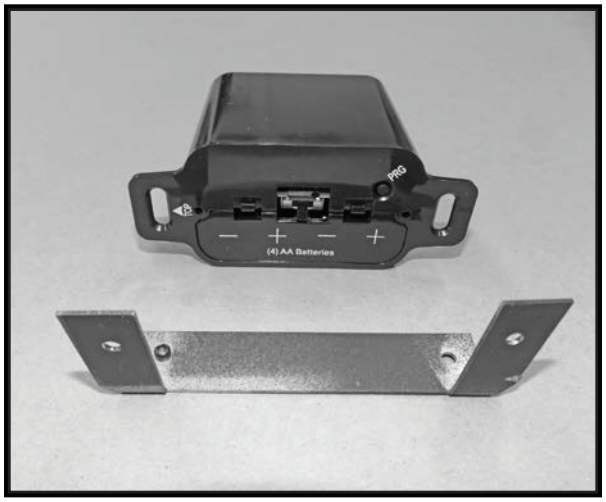


Figure 45: Older riveted bracket.

Figure 46: New bracket.

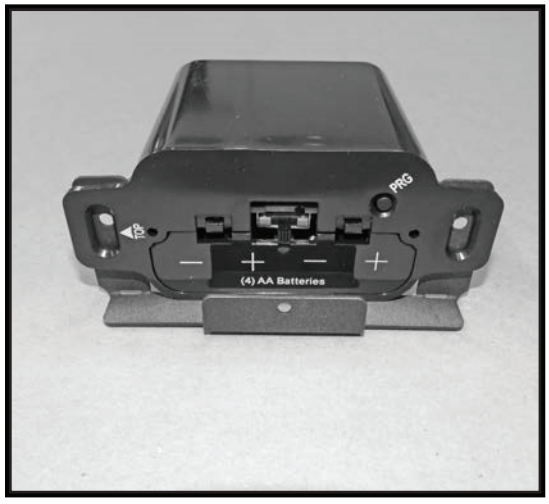


Figure 47: New bracket with battery holder in place.

Fan Removal / Installation

1. Make sure that the gas and electrical supply is shut off. Locate and remove the two 3/8” bolts securing the bottom of door as seen in Figure 48.

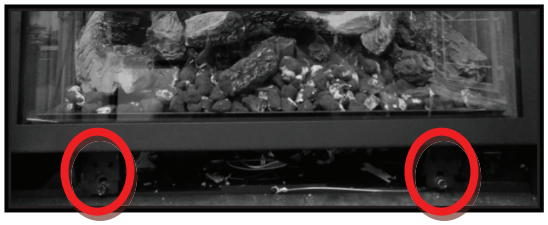


Figure 48

2. Tilt the bottom of the door away from the appliance and lift the door off.

Media Removal

Removal (figures 49 & 50)

1. Remove the loose embers from fireplace.
2. Remove the decorative log pieces from the firebox.
3. Lift and remove the two large ember blocks from the burner.

Figure 49

Figure 50

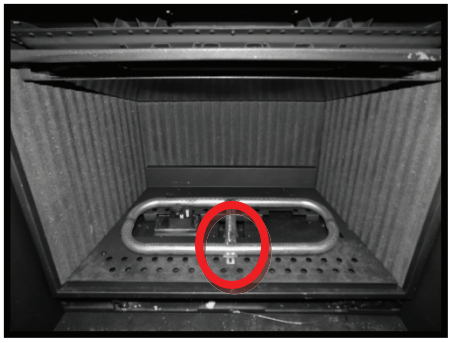


Figure 51

Removing the Burner and Burner tray.

1. Remove the screw holding the burner to the burner tray (Figure 51).

2. Remove two screws from the upper baffle and remove (Fig. 52)

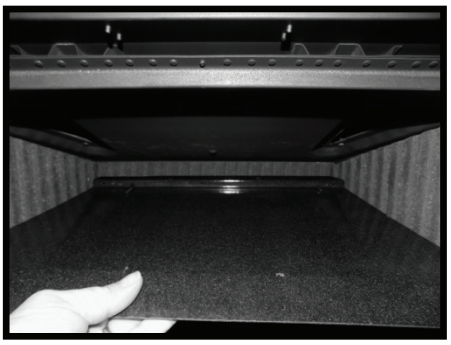


Figure 52

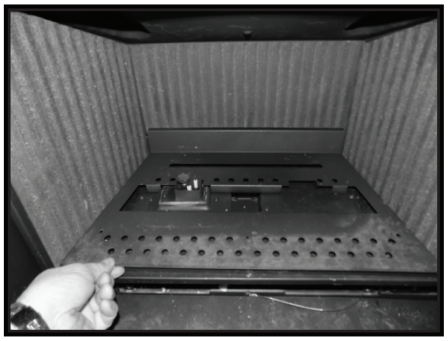


Figure 53

3. Remove two screws from the burner plate (Fig. 53) and remove.

4. Remove the side and rear firebox panels (Fig. 54 & 55)

   Note: The two side firebox panels hold the rear firebox panel in place. Support the rear firebox panel as the side panels are being removed.

Figure 54

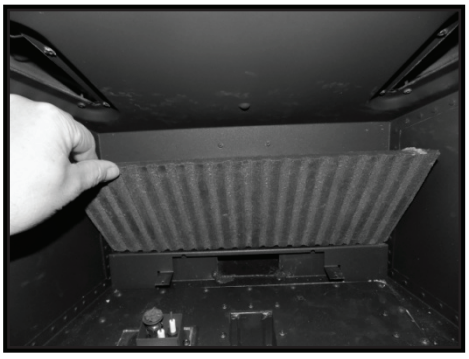


Figure 55

Figure 56

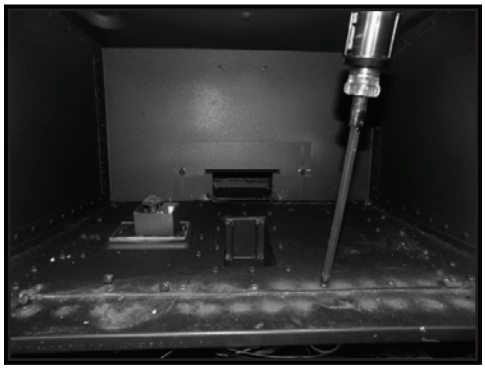


Figure 57

5. Remove two screws which hold the back ledge (Fig.56) in place and remove.

6. Remove the approximately 25 screws hold the base plate (Fig. 57) to the frame of the firebox.

7. Gently remove the base plate (Fig. 58) and set aside to the right hand side of the firebox. There is no need to disconnect any of the electrical or gas fittings.

Figure 58

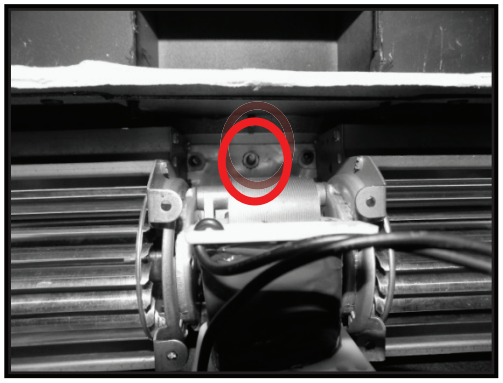


Figure 59

8. The fan is located inside the opening and toward the rear of the firebox. A 3/8” nut holds the fan assembly onto a threaded post. Remove the nut and gently extract the fan assembly from the fire box (Fig. 60) Be careful not to accidentally catch any other wires while the fan is being extracted.

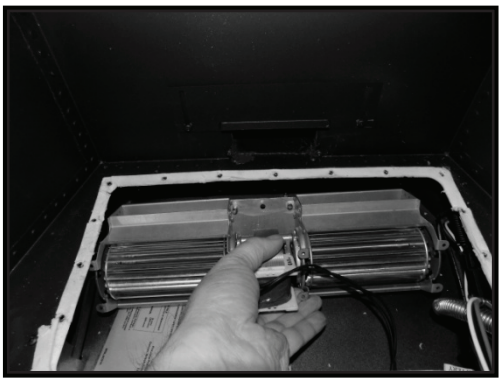


Figure 60

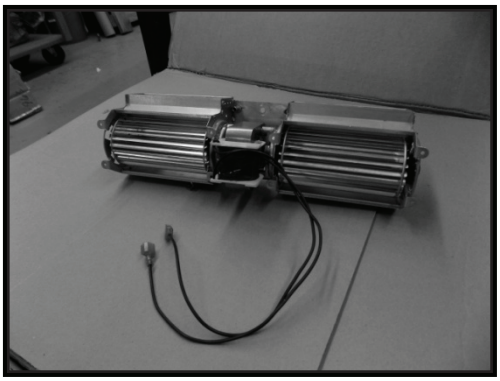


Figure 61

9. Disconnect the two power wires (Fig. 61) before fully extracting the fan from the opening.

10. Installation is reverse of removal. Return the media to its proper place according to by referring to the appropriate section of this manual.

Panel Installation / Removal

Panel Installation

NOTE: Air Deflector from burner kit needs to be installed before panels. See Burner Kit Installation.

1. Insert back panel so that it is sitting on ledge at the back of the firebox as shown in Figure 63.

2. Insert first side panel by inserting the front edge of the panel into the lip at the front of the firebox. Then slide the back of the panel until it reaches the firebox side wall. See Figure 64.

3. Repeat step 2 for the second side panel.

4. To hold panels in place, install the baffle, from the burner kit, by resting the back flange on top of the back panel and use two screws to secure the front of the baffle to the top of the firebox, seen in Figure 65.

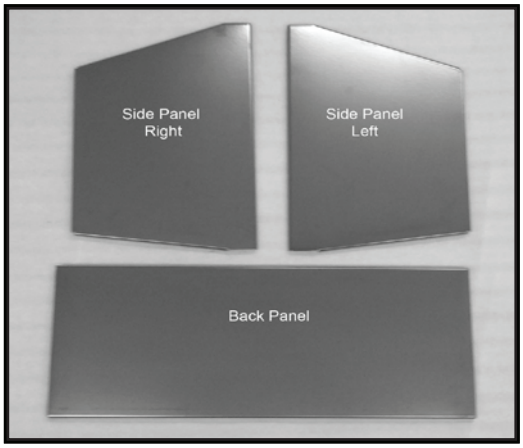


Figure 62: Panel Set

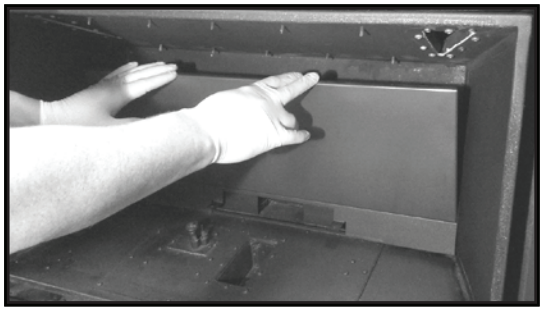


Figure 63: Back Panel

Panel Removal

1. Remove the baffle by removing screws securing the front edge of the baffle seen in Figure 65. After removing the two screws you can slide the baffle out of the fireplace.

2. Remove first side panel by pulling the back edge of panel out away from the firebox wall until there is enough room to remove the front edge of the panel from the lip at front of firebox. When you have enough room, remove panel's front edge from the firebox lip and remove from fireplace.

3. Repeat step 2 for the second side panel.

4. Remove back panel by tilting the top forward and then pull out of fireplace.

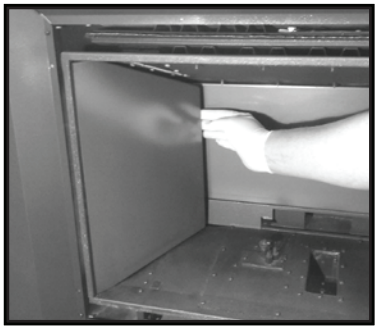


Figure 64: Side Panel

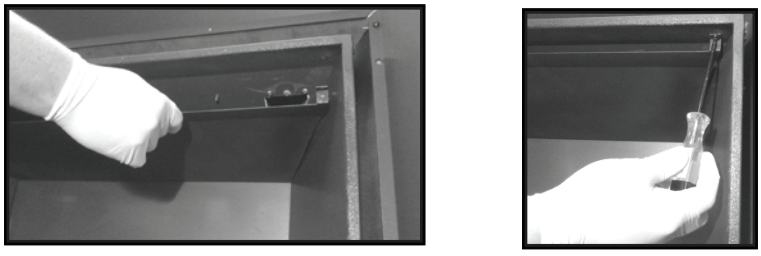


Figure 65: Baffle Mounts

Air Deflector Installation / Removal

Installation
Position the air deflector in the fireplace as seen in Figure 66 and secure with two screws using a screwdriver.

Removal
Remove the two screws seen in Figure 66 using a screwdriver, and remove the air deflector from fireplace.

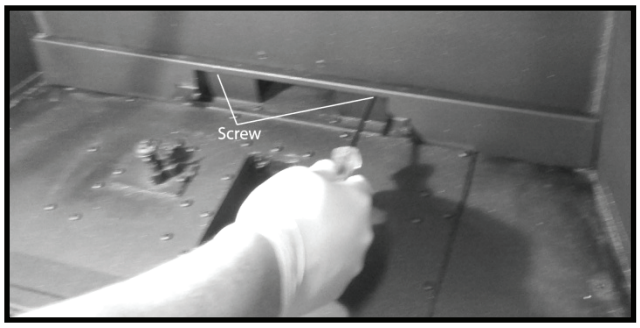


Figure 66: Air Deflector

Burner Tray Installation / Removal

Installation
Place the burner tray in the fireplace and secure with 4 screws using a screwdriver, as seen in Figure 67.

Removal
Remove the 4 screws seen in Figure 67 using a screwdriver, and remove the burner tray.

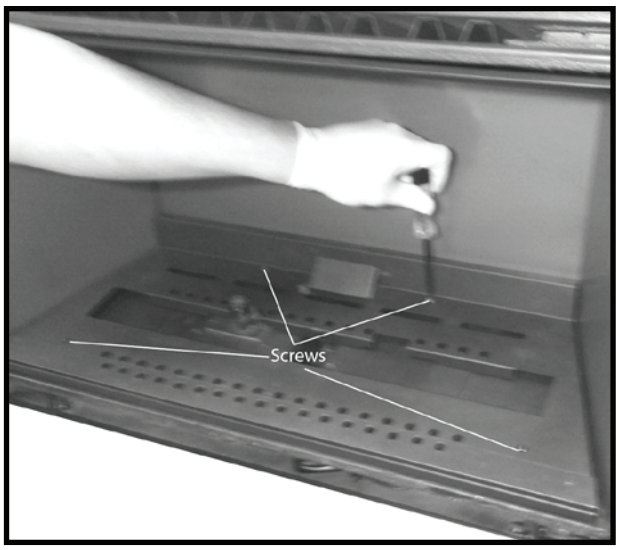


Figure 67: Burner Tray

Burner Installation / Removal

Installation
Place the burner in firebox so that the venturi is over top of the orifice. To secure the burner, insert the screw using a screwdriver as seen in Figure 68.

Removal
Remove the screw seen in figure 68 and lift the burner out of the unit.

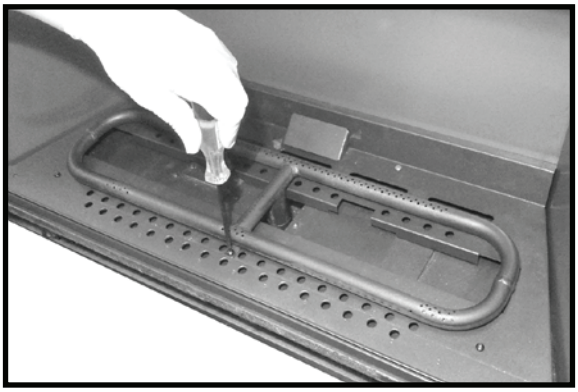


Figure 68: Burner

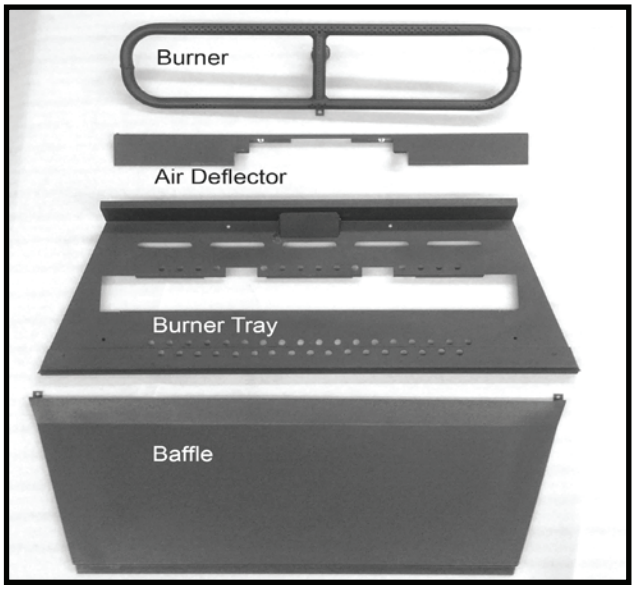


Figure 69 Burner Kit

Log Set Installation / Removal

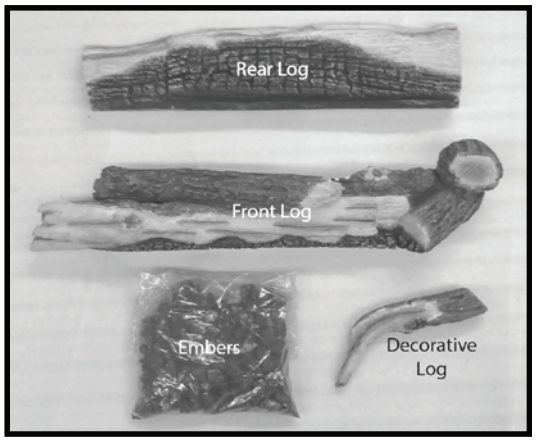


Figure 70: Log Set

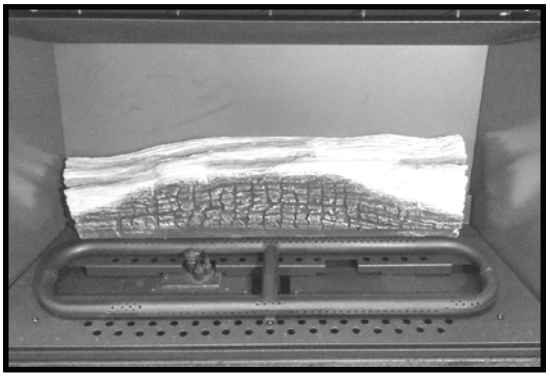


Figure 71: Rear Log Installation

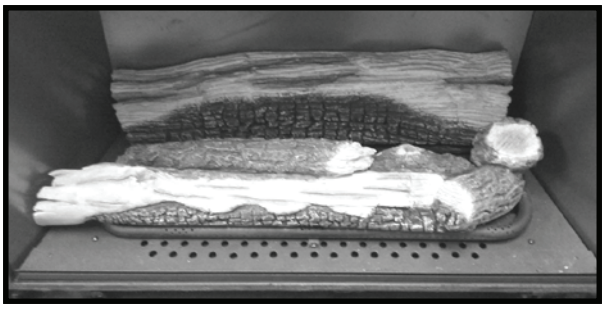


Figure 72: Front Log Installation

Figure 73: Decorative Log Installation

Installation

1. Position rear log against the back firebox as seen in Figure 71.
2. Position front log just behind the front burner tube as seen in Figure 72.
3. Position log 3 with the thin end of the log resting on top of the right end of the front log as seen in Figure 73.
4. Place ember chunks in front of the front log to hide the burner as seen in Figure 74.

   Note: Do Not Block Burner Ports with Embers.

Removal

1. Remove embers from fireplace.
2. Lift the decorative log off of the front log and remove it from the firebox.
3. Lift the front log off of the burner and remove it from the firebox.
4. Lift the back log over the pilot and burner and remove from firebox.

Figure 74: Ember Placement

Figure 75: Complete Log Set

Rustic Log Set Installation / Removal

Installation

1. Position rear logs #1 and #2 against the back firebox as seen in Figure 77.
2. Position front logs #3 and #4 between the front burner tubes as seen in Figure 78.
3. Position side logs #5; #6 as seen in Figure 79.
4. Position logs #7 and #8 as seen in Figure 80.
5. Place logs # 9; 10 and 11 and ember chunks in front of burner to hide the burner tube as seen in Figure 81.

Note: Do Not Block Burner Ports with Embers

Removal

1. Remove embers from fireplace.
2. Lift the side and log off of the front log and remove it from the firebox.
3. Lift the front logs off of the burner and remove it from the firebox.
4. Lift the rear logs over the pilot and burner and remove from firebox.

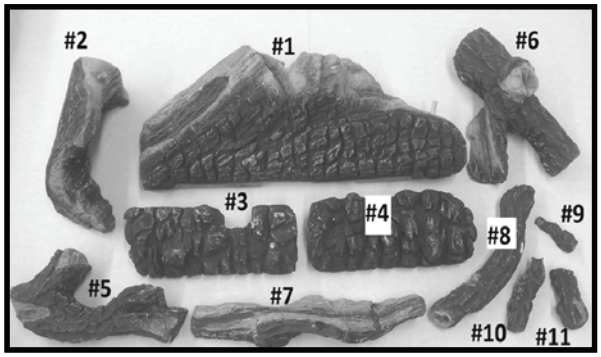


Figure 76: Log Set

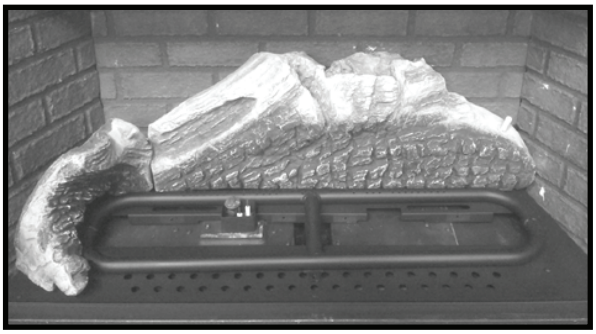


Figure 77: Rear Log Installation

Figure 78: Front Log Installation

Figure 79: Side Log Installation

Figure 80: Decorative Log Installation

Figure 81: Complete Log Set

Damper Adjustment

The Casco and Camden fireplaces both come with an adjustable damper that can limit the flow of intake air. This damper is located behind the air deflector at the rear of the inner firebox. Sometimes on installations that involve vertical venting configurations over 10 feet in height, the intake air tends to accelerate down the vent causing hectic flame action. This damper can be closed partially to reduce the speed of the intake air and thus calm the flames to a more natural look. Over-closure of this damper could cause an insufficient air supply to the fire, which would result in flames that cause soot. See Page 19 for optimum damper position.

To adjust the damper, loosen the two screws that hold the air deflector in place. Slide the damper down to a position that will reduce the air speed entering the appliance, using the bend tab at the bottom edge of the damper. This might take a few adjustments to obtain the best flame appearance. Because removal of the media, burner and burner tray are necessary for damper adjustment, you may put the burner and tray in place without fastening the screws to test the intake airflow. Once the damper is fastened in its adjusted position, return the burner and tray into place and fasten with the appropriate screws. Position the media as instructed in this manual.

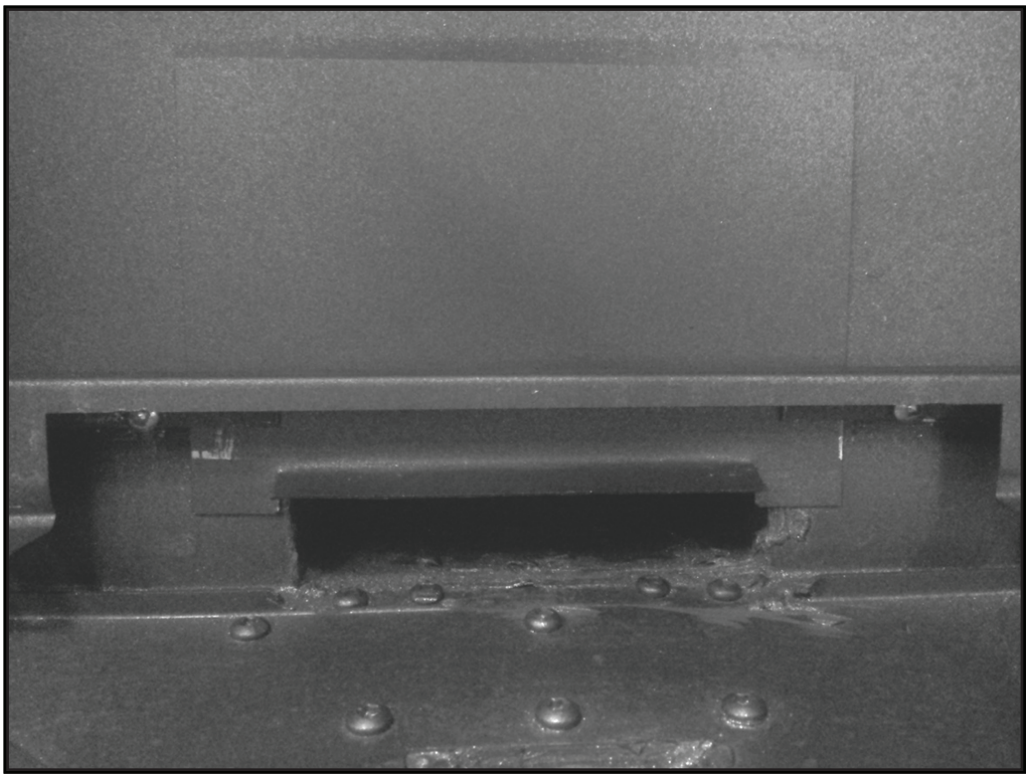


Figure 82: Air Shutter

Description	Order Number
1. Casco Screen	5002.610-A (for louvered front)
2. Casco Screen	5002.615-A (for contoured front)
3. Camden Screen	5002.710-A (for louvered front)
4. Camden Screen	5002.715-A (for contoured front)
5. Complete Replacement Gas Tray	GASC.BRNTRAYA
6. Replacement Remote Control	GASC.CNTRLA
7. CASC Replacement Blower	BDEM.BLOWB
8. CMDN Replacement Blower	BRET.BLOWB

Casco Aesthetic Components
CASC.BODYB

Door Kit (required)

FLUSH MOUNT DOOR	BRCA.260091-A

Surround Fronts (required)

Louvered Front - Black	BRCA.18LFBKB
Louvered Front - Grey	BRCA.18LFGYB
Contoured Front - Black	BRCA.18CFBKB
Contoured Front - Grey	BRCA.18CFGYB

Panel Set (required)

Slate Grey Fluted Panel Set	BDEM.CPNFLA
Red Brick Panel Set	BDEM.CPNRDA
Grey Brick Panel Set	BDEM.CPNGYA
Ledgestone Panel Set	BDEM.CPNLDA
Porcelain Panel Set Black	BDEM.PPNBKA
Porcelain Panel Set Red	BDEM.PPNRDA
Porcelain Panel Set Titanium	BDEM.PPNTIA
Porcelain Panel Set Coffee Bean	BDEM.PPNCBA
Porcelain Panel Set Copper	BDEM.PPNCUA

Burner Sets (required)

Traditional Log Set	BDEM.NG01B
Rustic Log Set	BDEM.NG05B
Glass Burner	BDEM.NG03B
Black Glass	GASC.3GLBK
Desert Glass	GASC.3GLDE
Pacific Glass	GASC.3GLPA
Twilight Glass	GASC.3GLTW
Metro Rock Set Black	GASC.METROBKA
Metro Rock Set Grey	GASC.METROGYA
Tranquility Rock Set	GASC.TRANQA

Optional Components

LP Conversion Kit	GASC.LP18KIT
Blower Kit	DBEM.BLOWB

Camden Aesthetic Components
CMDN.BODYB

Door Kit (required)

FLUSH MOUNT DOOR	BDCD.267507-A

Surround Fronts (required)

Louvered Front - Black	BDCD.30LFBKB
Louvered Front - Grey	BDCD.30LFGYB
Contoured Front - Black	BDCD.30CFBKB
Contoured Front - Grey	BDCD.30CFGYB

Panel Set (required)

Slate Grey Fluted Panel Set	BRET.CPNFLA
Red Brick Panel Set	BRET.CPNRDA
Grey Brick Panel Set	BRET.CPNGYA
Ledgestone Panel Set	BRET.CPNLDA
Porcelain Panel Set Black	BRET.PPNBKA
Porcelain Panel Set Coffee Bean	BRET.PPNRDA
Porcelain Panel Set Copper	BRET.PPNTIA
Porcelain Panel Set Red	BRET.PPNCBA
Porcelain Panel Set Titanium	BRET.PPNCUA

Burner Sets (required

Traditional Log Set & Burner	BRET.NG01B
Rustic Log Burner	BRET.NG05B
Glass Burner	BRET.NG03B
Black Glass	GASC.5GLBK
Desert Glass	GASC.5GLDE
Pacific Glass	GASC.5GLPA
Twilight Glass	GASC.5GLTW
Metro Rock Set-Black	GASC.METROBKA
Metro Rock Set Grey	GASC.METROGYA
Tranquility Rock Set	GASC.TRANQA

Optional Components

Blower Kit	BRET.BLOWB
LP Conversion Kit	GASC.LP30KIT

Wiring Diagram

Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

Verify proper operation after servicing.

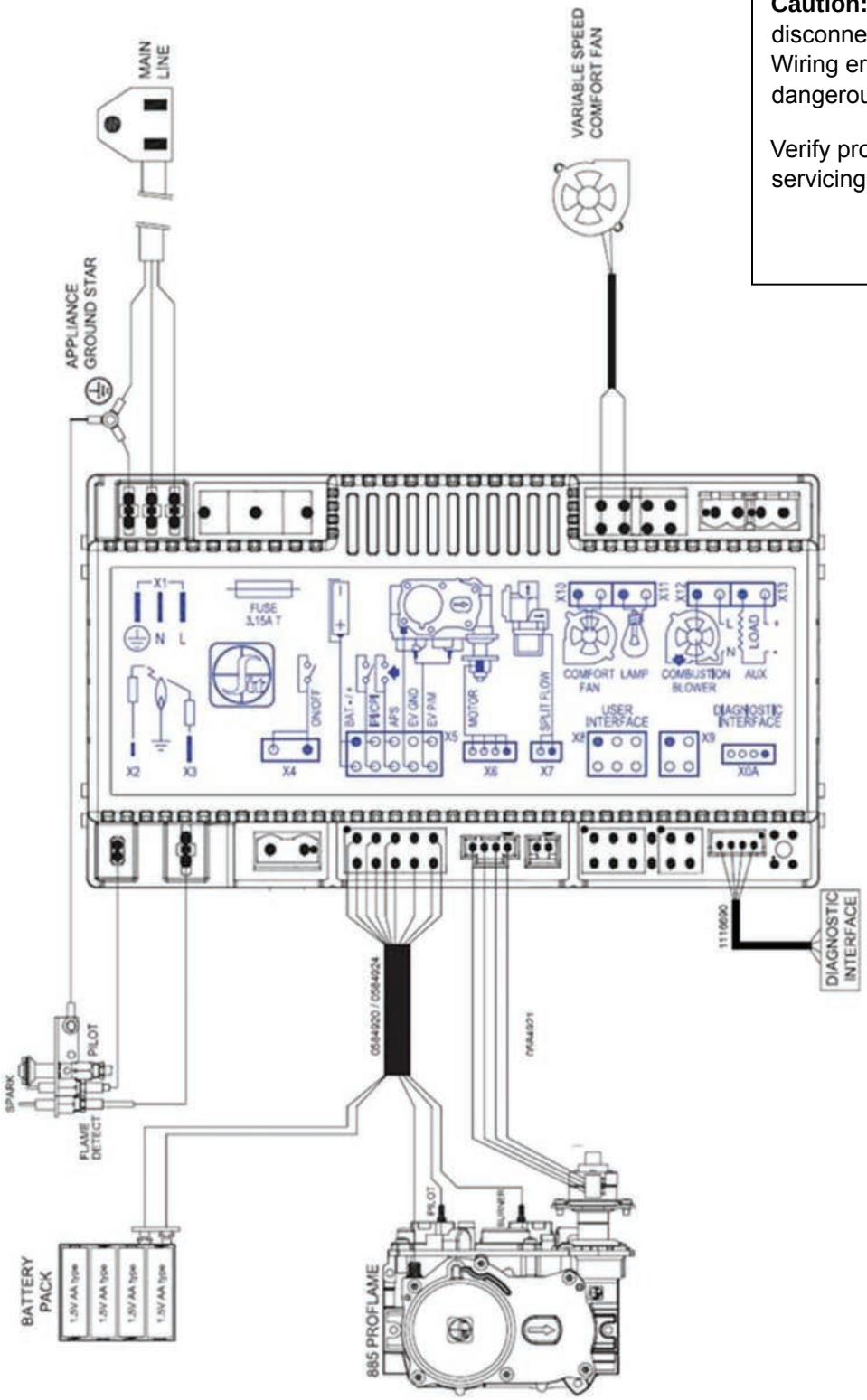


Figure 83: Wiring Diagram

Casco Rating Label

VENTED GAS FIREPLACE - NOT FOR USE WITH SOLID FUEL///FOYER AU GAZ À ÉVACUATION - NE PAS UTILISER AVEC DU COMBUSTIBLE SOLIDE

LC- 208

ANSI Z21.88-2014 / CSA 2.33-2014 Vented Gas Fireplace Heaters
CAN/CGA 2.17-M91 Gas-Fired Appliance For Use At High Altitudes.

Certified for / Certifié pour Canada and U.S.A.

This Appliance is Equipped For Use With / Cet Appareil est Équipé Pour Utilise Avec :

NATURAL GAS / GAZ NATUREL ■ **LP-GAS / LP GAZ** ■

FOR USE WITH/ EN CASE D'EMPLOI AVEC:	NATURAL GAS/ DU GAZ NATUREL	LP GAS/ DU GAZ LP
Minimum supply pressure / Pression minimum d'alimentation: (For the purpose of input adjustment / dans le but de régler l'alimenation) Maximum supply pressure / Pression maximum d'alimentation: Manifold pressure / Pression de la tuyauterie: Maximum	5.0 in/wc / 5.0 po/c.e. (1.25 kPa) 13.9 in/wc / 13.9 po/c.e. (3.45 kPa) 3.5 in/wc / 3.5 po/c.e. (.87 kPa)	12.5 in/wc / 12.5 po/c.e. (3.11 kPa) 13.9 in/wc / 13.9 po/c.e. (3.45 kPa) 10.0 in/wc / 11.0 po/c.e. (2.74 kPa)
Orifice Size / Diametre de l'injectuer:	1.98mm	1.25mm
Input BTU/hr (kW) / Entree BTU/h (kW):	Max.:18,000Btu (5.3kw) Min.: 12,300Btu (3.6kw)	Max.:17,000Btu (5.0kw) Min.:13,500Btu (4.0kw)

MODEL/ MODELE:CASCO

SERIES/ SERIE: B

MADE IN CANADA
FABRIQUE AU CANADA

Unit electrical rating: 115v, 60hz, 0.52A / Normes electriques du unité: 115v, 60hz, 0.52 A
This appliance equipped for altitudes 0 - 4500 ft. (0 - 1372 m) / Cet unité est conçu pour des altitudes variant entre 0 - 4500 pieds (0 - 1372 m). In Canada, also certified for installation in a bedroom or a bedsitting room / Aussi certifié pour installation dans une chambre à coucher ou une salle de séjour. This appliance must be installed in accordance with local codes, if any; if none, follow the current CAN/CGA-B149 (Canada), or ANSI Z223.1 (USA) Installation Codes. Installer l'appareil selon les codes ou règlements locaux, ou, en l'absence de tels règlements, selon les codes d'installation CAN/CGA-B149 (Canada), or ANSI Z223.1 (USA) en vigeur.

MANUFACTURED (MOBILE) HOME: This appliance is only for use with the type of gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes. See owners manual for details.
FABRIQUEZ (MOBILE) MAISON: Cet appareil doit être utilisé uniquement avec le type de gaz indiqué sur la plaque signalétique et peut être installé dans une maison préfabriquée (mobile) installée à demeure si les règlements locaux le permettent. Voir la notice du propriétaire pour plus de détails. Cet appareil ne peut être converti à d'autres gaz sauf si une trousse de conversion certifiée est utilisée.
Install in accordance with the current standard Mobile Homes,CAN/CSA Z240 MH (in CANADA), and the Manufacturer's Home Construction and Safety Standard, Title 24 CFR, Part 3280, or the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities ANSI/NFPA 501A, (in the U.S.A.). Cet appareil diot être installé conformemént aux exigences de la norme CAN/CSA Z240 MH en vigueur de l'ACNOR, Installations de gaz dans les Constructions Mobiles.
FOR USE WITH GLASS DOORS CERTIFIED WITH THE APPLIANCE ONLY / POUR UTILISATION UNIQUEMENT AVEC LES PORTES IN VERRE CERTIFIÉES AVEC L'APPAREIL

MINIMUM CLEARANCES TO COMBUSTIBLES / CLAIRANCES MINIMALES AVEC LES COMBUSTIBLE
Left and Right side are determined when facing the front of the appliance. / Les côtés droit et gauche se déterminent en se mettant devant l'appareil et en lui faisant face.

For installation in a masonary fireplace only / Pour une installation dans un foyer maçonnerie seulement	0 in. (0 mm)
Sidewall to Appliance / Du mur latéral a l'appareil	8 in. (203 mm)
Mantel to Appliance / Du manteau al'appareil	* SEE USER MANUAL
Maximum Mantel Extension / Allongement maximum du manteau	*12 in. (305 mm)
*See Installation Manual for more detail / Voyez des Directive de l'Installation pour plus détaux.	

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information, consult a qualified installer, service agency or the gas supplier.
AVERTISSEMENT: Une installation, un réglage, une modification, une réparation ou un entretien mal effectué peut causer des dommages matériels ou des blessures. Voir la notice de l'utilisateur qui accompgne l'appareil. Pour de l'aide ou des renseignements supplémentaires, consultez un installateur, un technicien agréé ou le fournisseur de gaz.

Pacific Energy
Fireplace Products Ltd.
Duncan, British Columbia,
Canada

120515 **5050.634-B** **CASC.BODYB**

Camden Rating Label

VENTED GAS FIREPLACE - NOT FOR USE WITH SOLID FUEL///FOYER AU GAZ À ÉVACUATION - NE PAS UTILISER AVEC DU COMBUSTIBLE SOLIDE

LC- 209

ANSI Z21.88-2014 / CSA 2.33-2014 Vented Gas Fireplace Heaters
CAN/CGA 2.17-M91 Gas-Fired Appliance For Use At High Altitudes.

Certified for / Certifié pour Canada and U.S.A.

This Appliance is Equipped For Use With / Cet Appareil est Équipé Pour Utilise Avec :

NATURAL GAS / GAZ NATUREL ■ **LP-GAS / LP GAZ** ■

MODEL/ MODELE:CAMDEN

SERIES/ SERIE: B

MADE IN CANADA
FABRIQUE AU CANADA

FOR USE WITH/ EN CASE D'EMPLOI AVEC:	NATURAL GAS/ DU GAZ NATUREL	LP GAS/ DU GAZ LP
Minimum supply pressure / Pression minimum d'alimentation: (For the purpose of input adjustment / dans le but de régler l'alimenation)	5.0 in/wc / 5.0 po/c.e. (1.25 kPa)	12.5 in/wc / 12.5 po/c.e. (3.11 kPa)
Maximum supply pressure / Pression maximum d'alimentation:	13.9 in/wc / 13.9 po/c.e. (3.45 kPa)	13.9 in/wc / 13.9 po/c.e. (3.45 kPa)
Manifold pressure / Pression de la tuyauterie: Maximum	3.5 in/wc / 3.5 po/c.e. (.87 kPa)	10.0 in/wc / 11.0 po/c.e. (2.74 kPa)
Orifice Size / Diametre de l'injectuer:	2.55mm	1.52mm
Input BTU/hr (kW) / Entree BTU/h (kW):	Max.:30,000Btu (8.8kw) Min.: 22,000Btu (6.5kw)	Max.:26,000Btu (7.6kw) Min.: 20,000Btu (5.9kw)

Unit electrical rating: 115v, 60hz, 0.52A / Normes electriques du unité: 115v, 60hz, 0.52 A
This appliance equipped for altitudes 0 - 4500 ft. (0 - 1372 m) / Cet unité est conçu pour des altitudes variant entre 0 - 4500 pieds (0 - 1372 m). In Canada, also certified for installation in a bedroom or a bedsitting room / Aussi certifié pour installation dans une chambre à coucher ou une salle de séjour. This appliance must be installed in accordance with local codes, if any; if none, follow the current CAN/CGA-B149 (Canada), or ANSI Z223.1 (USA) Installation Codes. Installer l'appareil selon les codes ou règlements locaux, ou, en l'absence de tels règlements, selon les codes d'installation CAN/CGA-B149 (Canada), or ANSI Z223.1 (USA) en vigeur.

MANUFACTURED (MOBILE) HOME: This appliance is only for use with the type of gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes. See owners manual for details.
FABRIQUEZ (MOBILE) MAISON: Cet appareil doit être utilisé uniquement avec le type de gaz indiqué sur la plaque signalétique et peut être installé dans une maison préfabriquée (mobile) installée à demeure si les règlements locaux le permettent. Voir la notice du propriétaire pour plus de détails. Cet appareil ne peut être converti à d'autres gaz sauf si une trousse de conversion certifiée est utilisée.
Install in accordance with the current standard Mobile Homes,CAN/CSA Z240 MH (in CANADA), and the Manufacturer's Home Construction and Safety Standard, Title 24 CFR, Part 3280, or the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities ANSI/NFPA 501A, (in the U.S.A.). Cet appareil diot être installé conformemént aux exigences de la norme CAN/CSA Z240 MH en vigueur de l'ACNOR, Installations de gaz dans les Constructions Mobiles.
FOR USE WITH GLASS DOORS CERTIFIED WITH THE APPLIANCE ONLY / POUR UTILISATION UNIQUEMENT AVEC LES PORTES IN VERRE CERTIFIÉES AVEC L'APPAREIL

MINIMUM CLEARANCES TO COMBUSTIBLES / CLAIRANCES MINIMALES AVEC LES COMBUSTIBLE
Left and Right side are determined when facing the front of the appliance. / Les côtés droit et gauche se déterminent en se mettant devant l'appareil et en lui faisant face.

For installation in a masonary fireplace only / Pour une installation dans un foyer maçonnerie seulement	0 in. (0 mm)
Sidewall to Appliance / Du mur latéral a l'appareil	8 in. (203 mm)
Mantel to Appliance / Du manteau al'appareil	* SEE USER MANUAL
Maximum Mantel Extension / Allongement maximum du manteau	*12 in. (305 mm)
*See Installation Manual for more detail / Voyez des Directive de l'Installation pour plus détaux.	

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120515 **5050.635-B** **CMDN.BODYB**

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For technical support, please contact your retailer

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